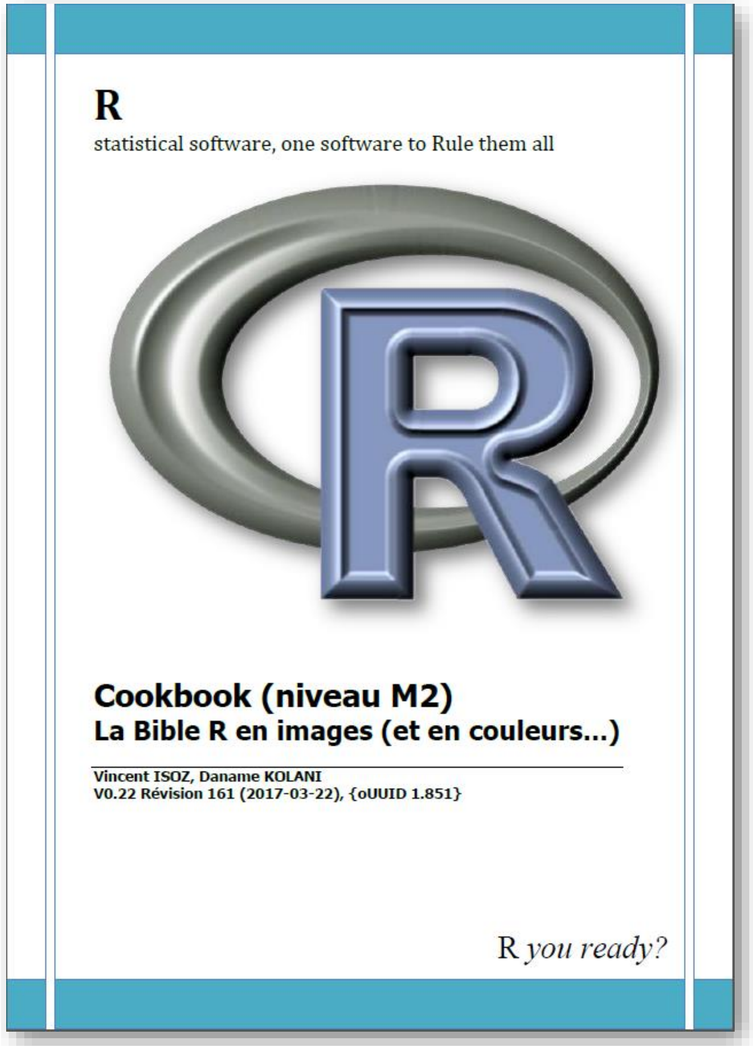
Types de graphiques

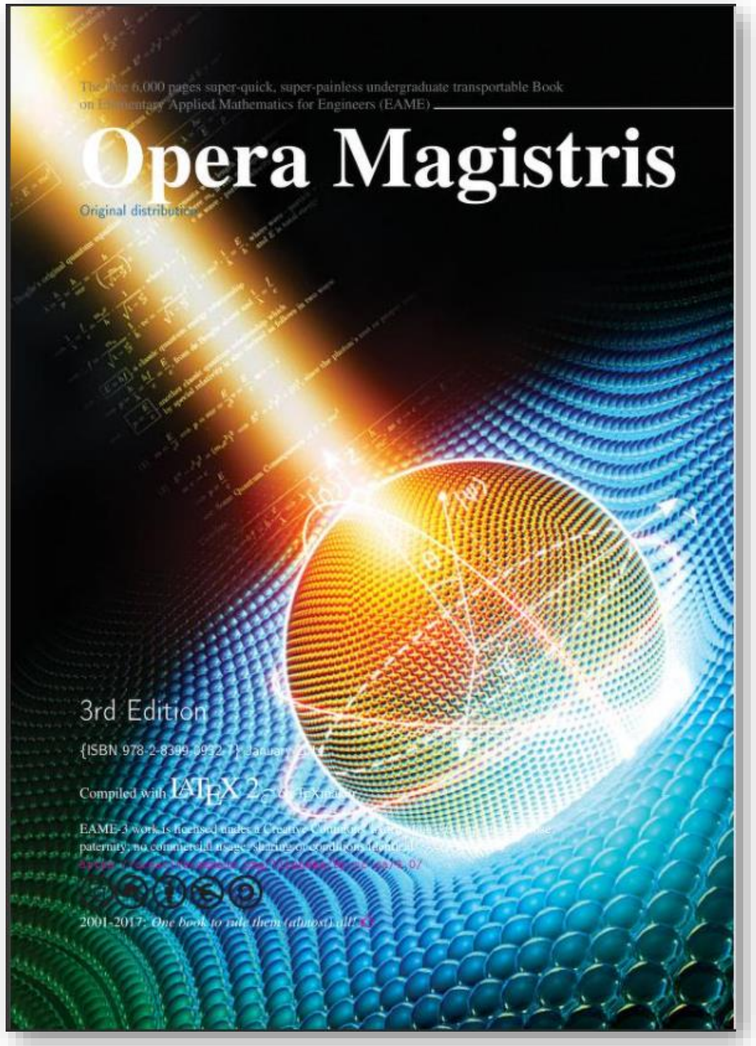
(with R 3.5.1 x64)

v8.0 2018-11-15

Informations

Ouvrages recommandés

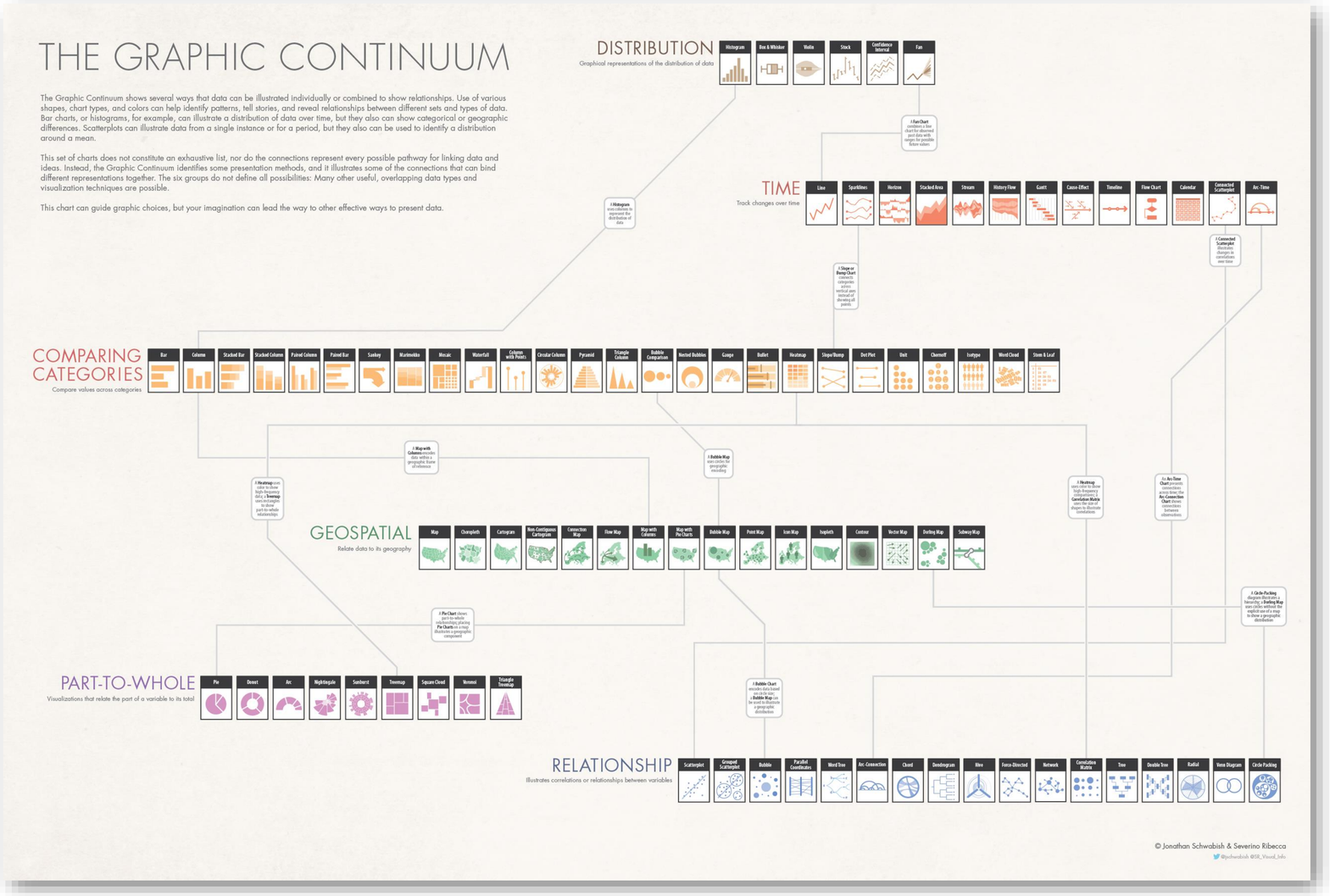




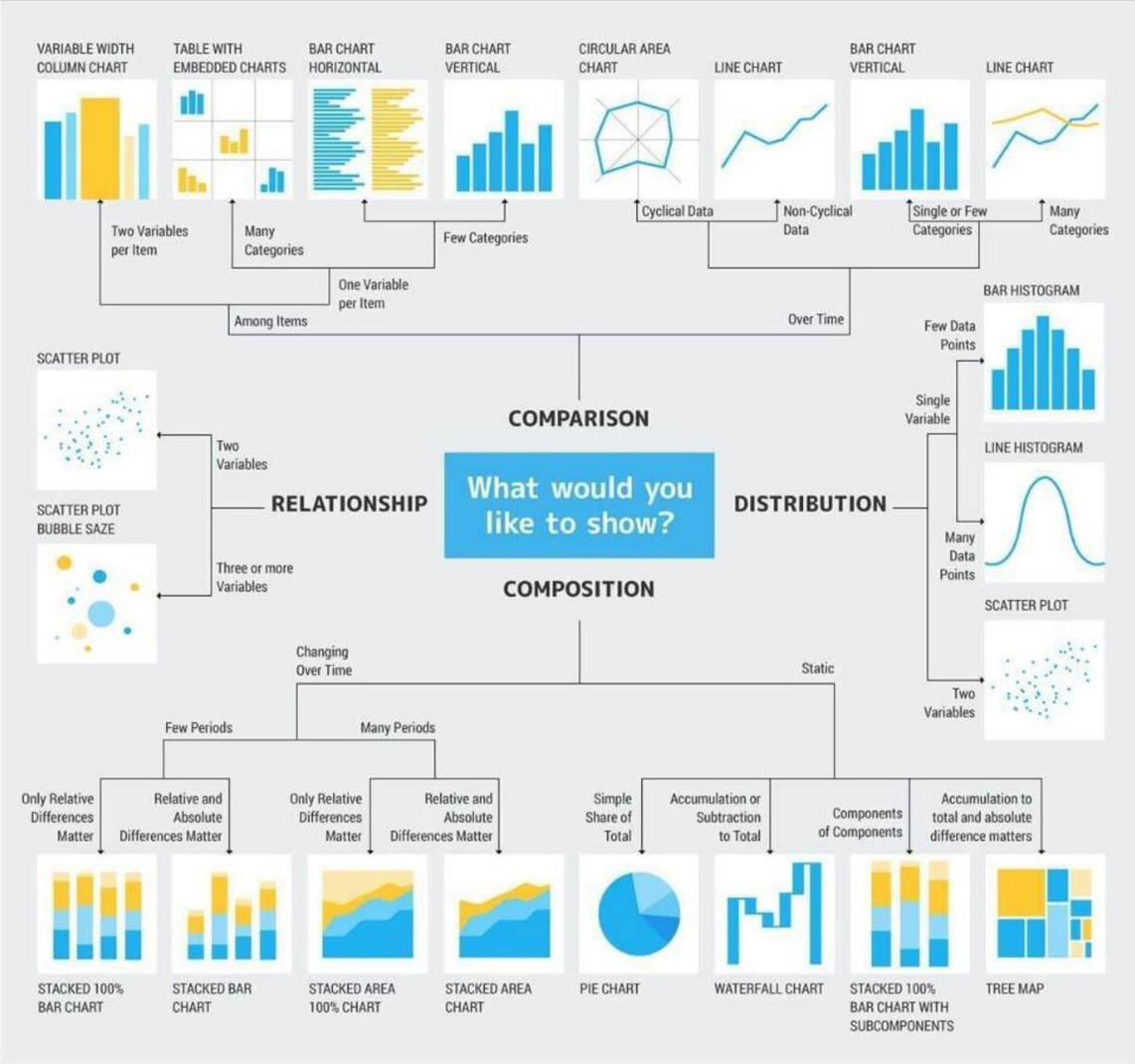
Liens recommandés

https://www.youtube.com/channel/UCp8B-ax3dEMlThJqvBTqLeQ

Continuum Graphique

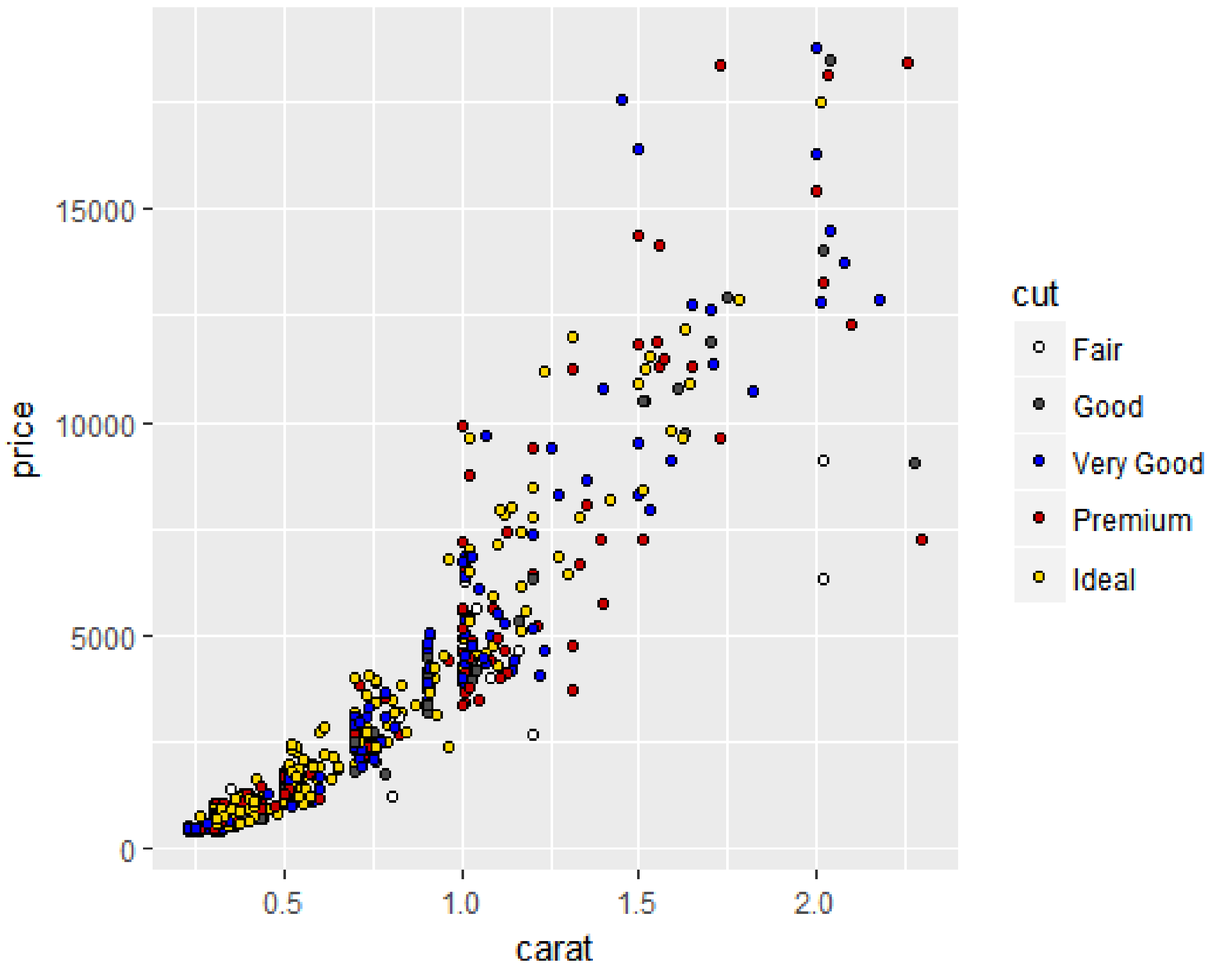


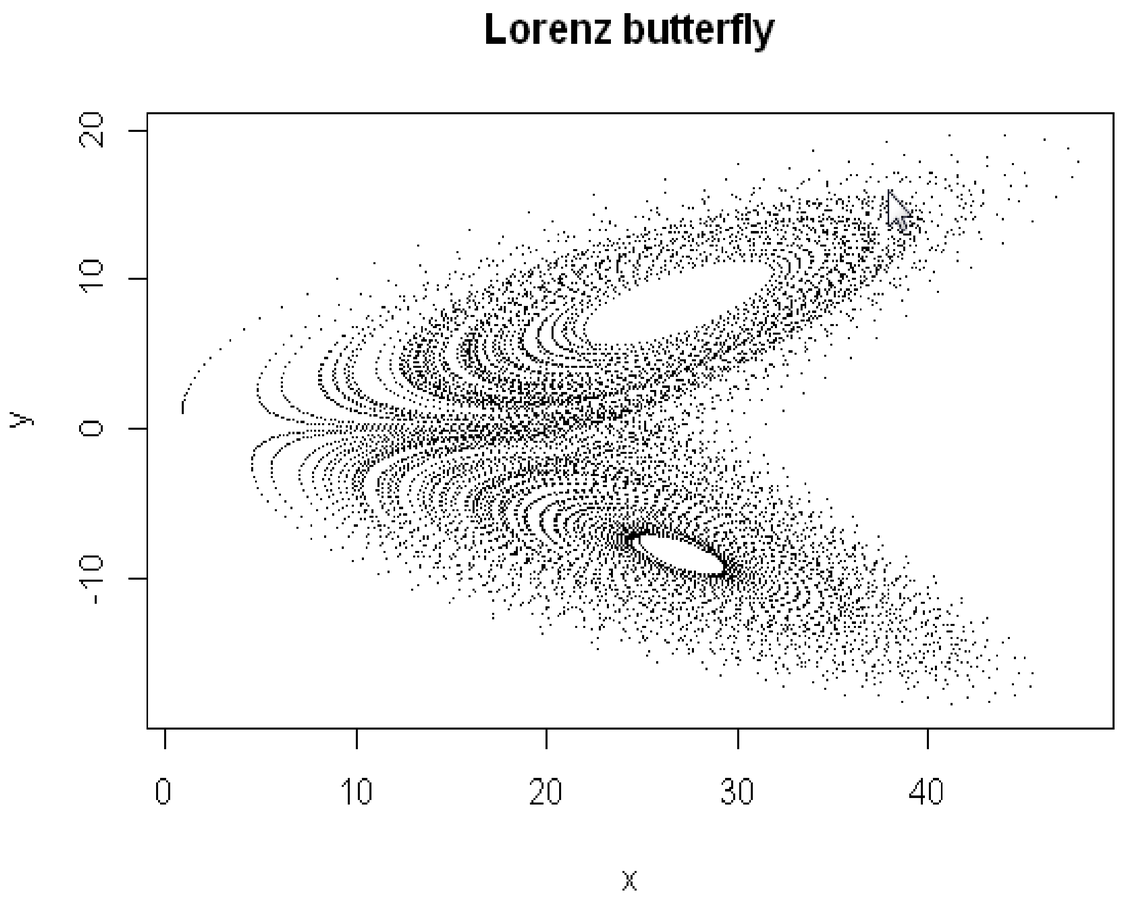
Autre…


What would you like to show?
COMPARISON
VARIABLE WIDTH COLUMN CHART
TABLE WITH EMBEDDED CHARTS
BAR CHART HORIZONTAL
BAR CHART VERTICAL
CIRCULAR AREA CHART
LINE CHART
BAR CHART VERTICAL
LINE CHART
Two Variables per Item
Many Categories
Few Categories
One Variable per Item
Among Items
Cyclical Data
Non-Cyclical Data
Single or Few Categories
Many Categories
Over Time
RELATIONSHIP
Two Variables
Three or more Variables
SCATTER PLOT
SCATTER PLOT BUBBLE SAZE
DISTRIBUTION
Single Variable
Few Data Points
BAR HISTOGRAM
Many Data Points
LINE HISTOGRAM
Two Variables
SCATTER PLOT
COMPOSITION
Changing Over Time
Static
Few Periods
Many Periods
Only Relative Differences Matter
Relative and Absolute Differences Matter
Only Relative Differences Matter
Relative and Absolute Differences Matter
Simple Share of Total
Accumulation or Subtraction to Total
Components of Components
Accumulation to total and absolute difference matters
STACKED 100% BAR CHART
STACKED BAR CHART
STACKED AREA 100% CHART
STACKED AREA CHART
PIE CHART
WATERFALL CHART
STACKED 100% BAR CHART WITH SUBCOMPONENTS
TREE MAP

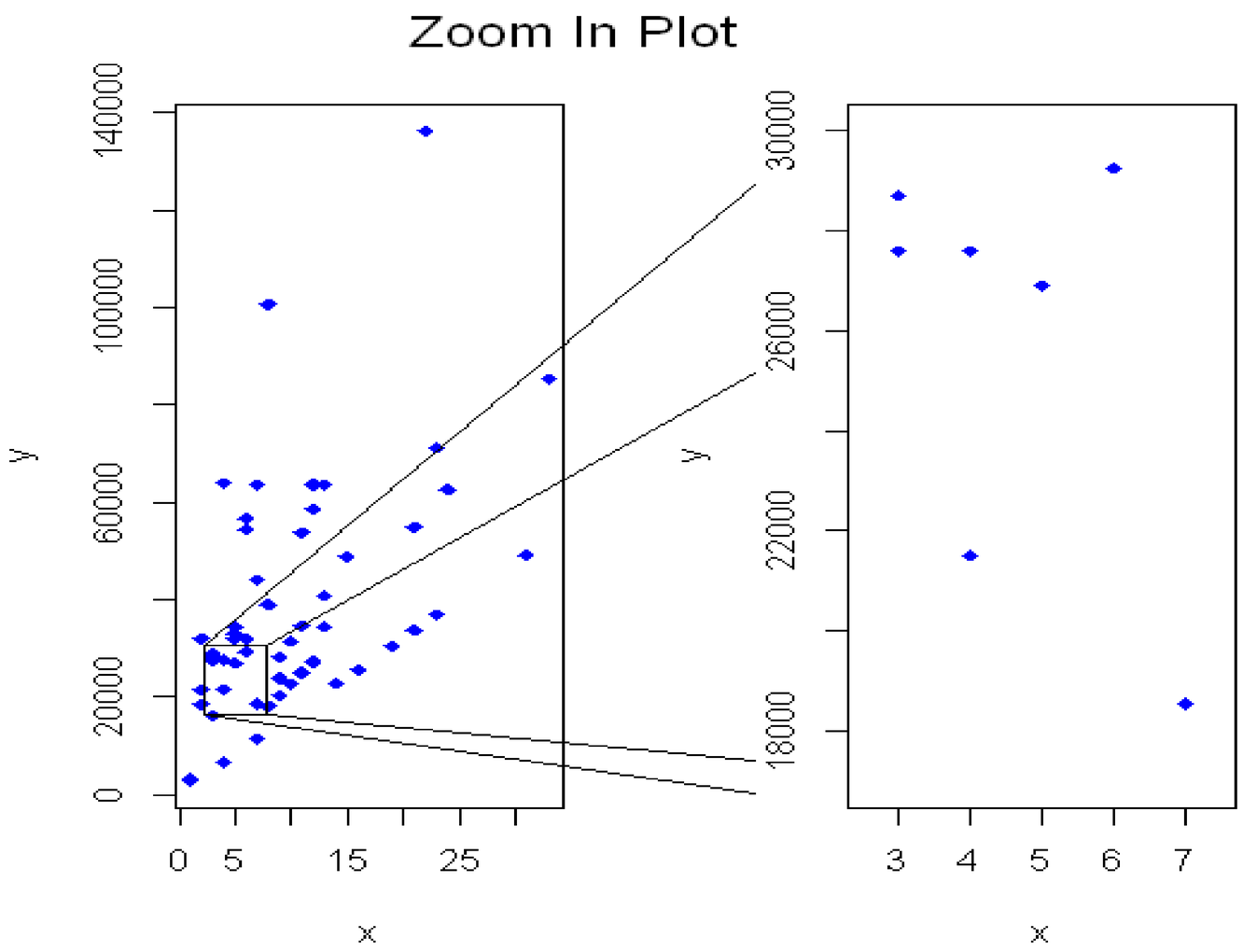
Graphiques à points et vecteurs

Nuages de points

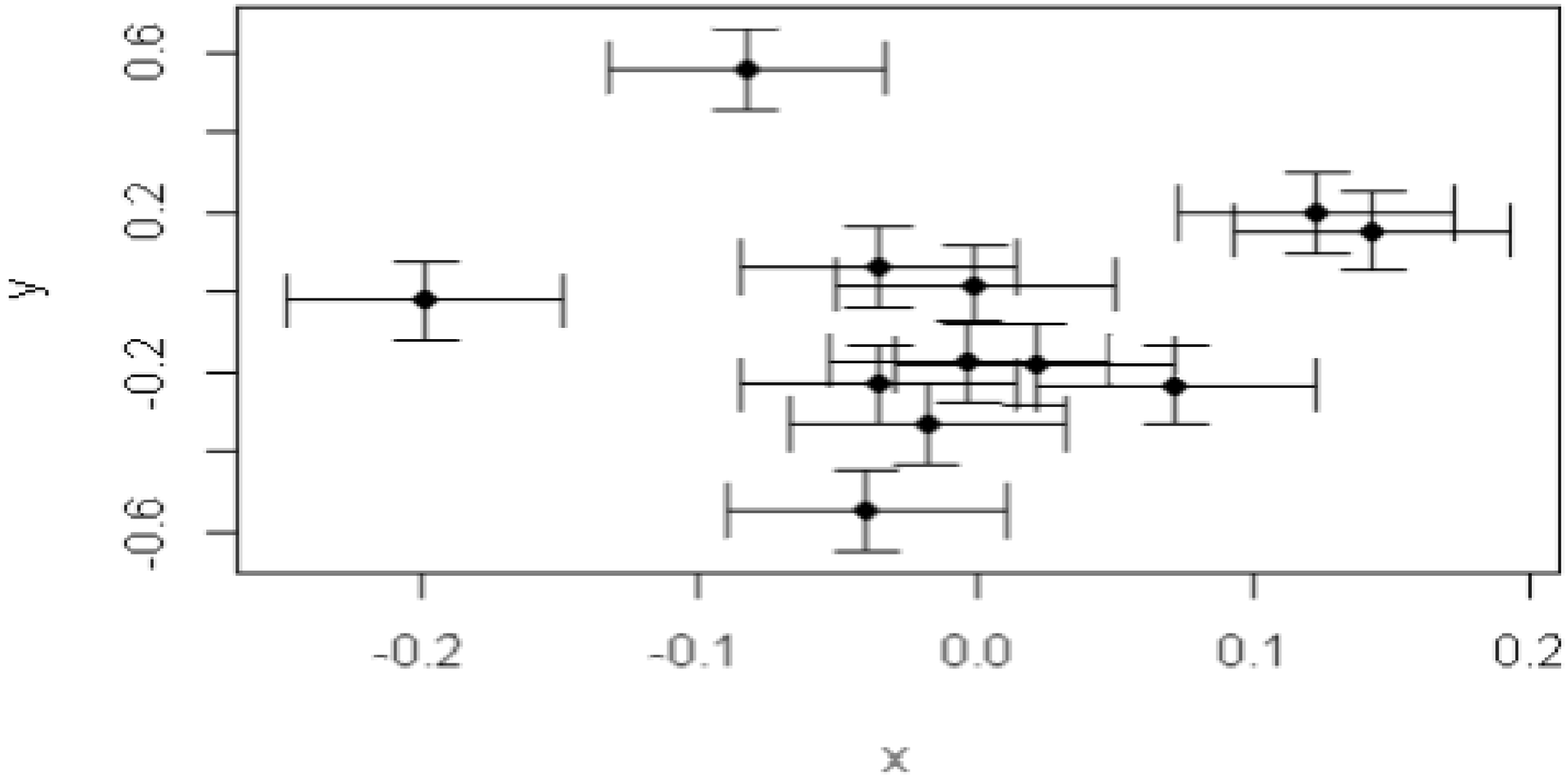




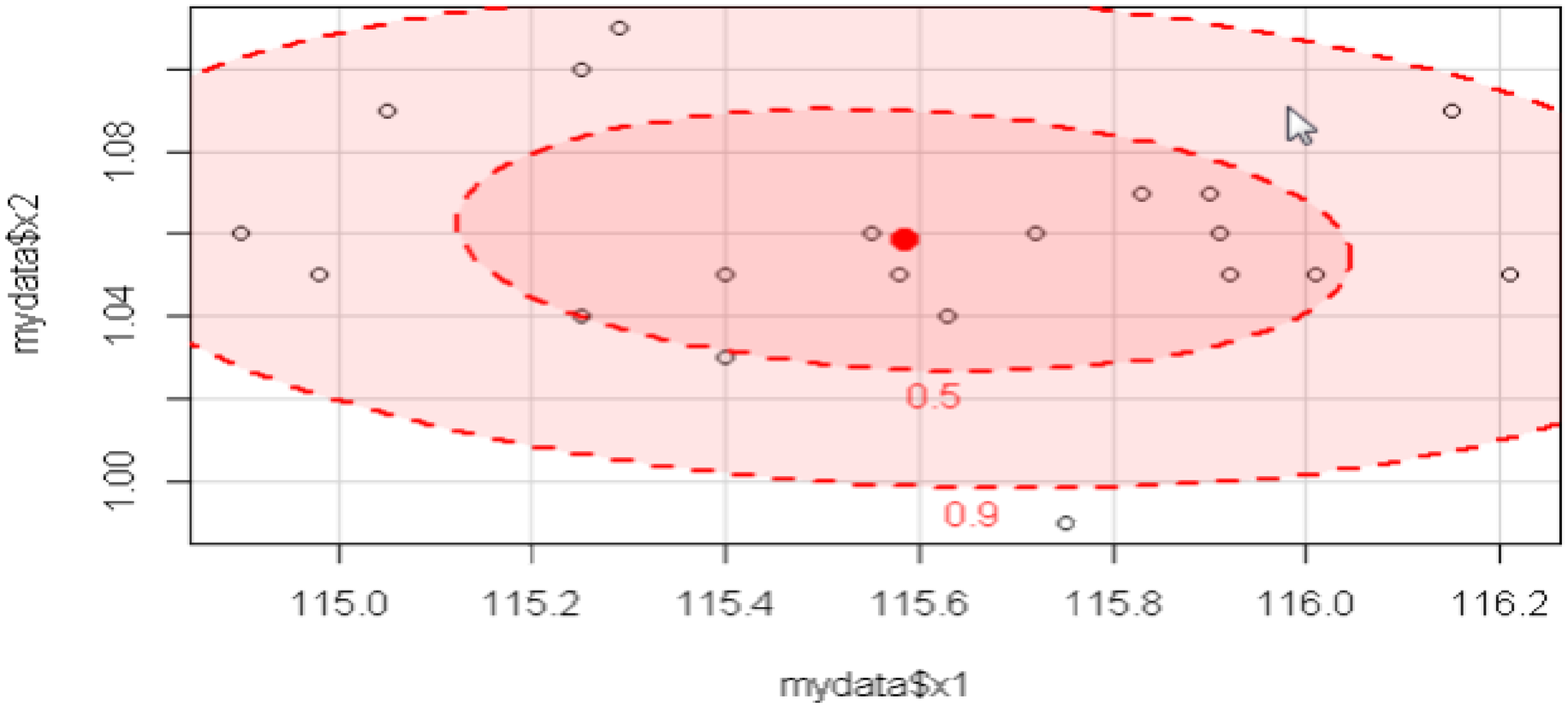
Nuages de points avec effet zoom



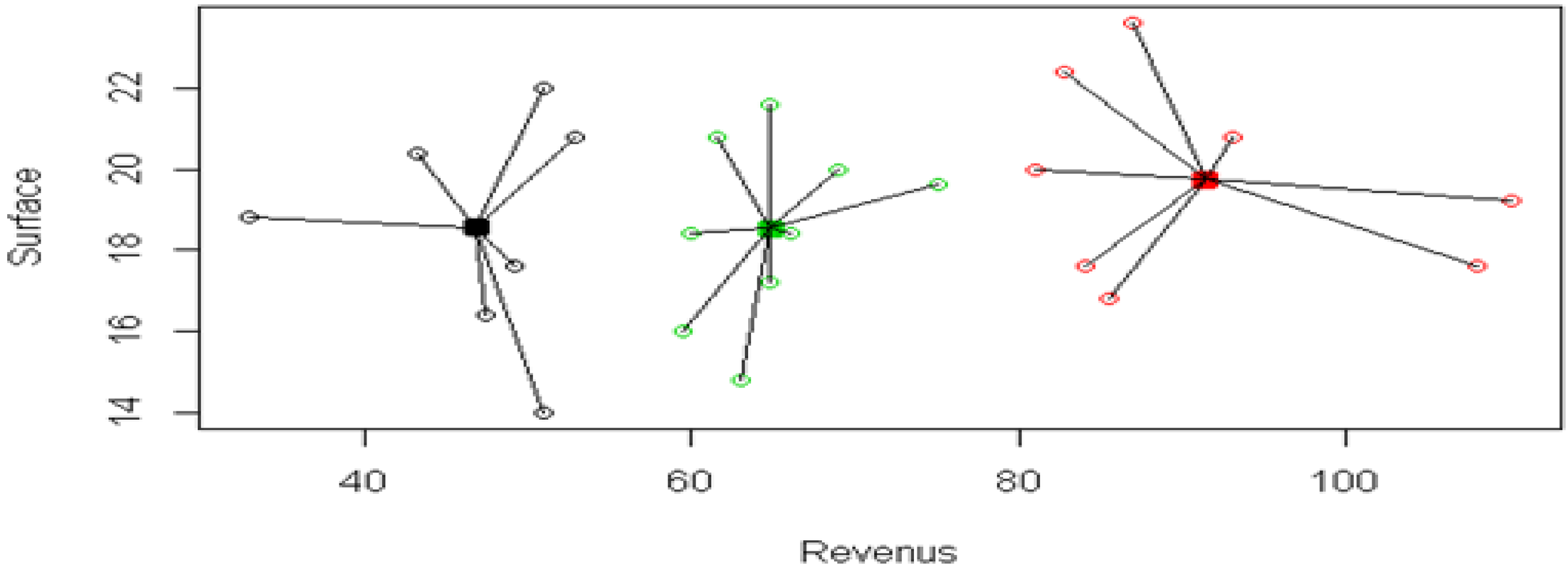
Barres d’erreurs



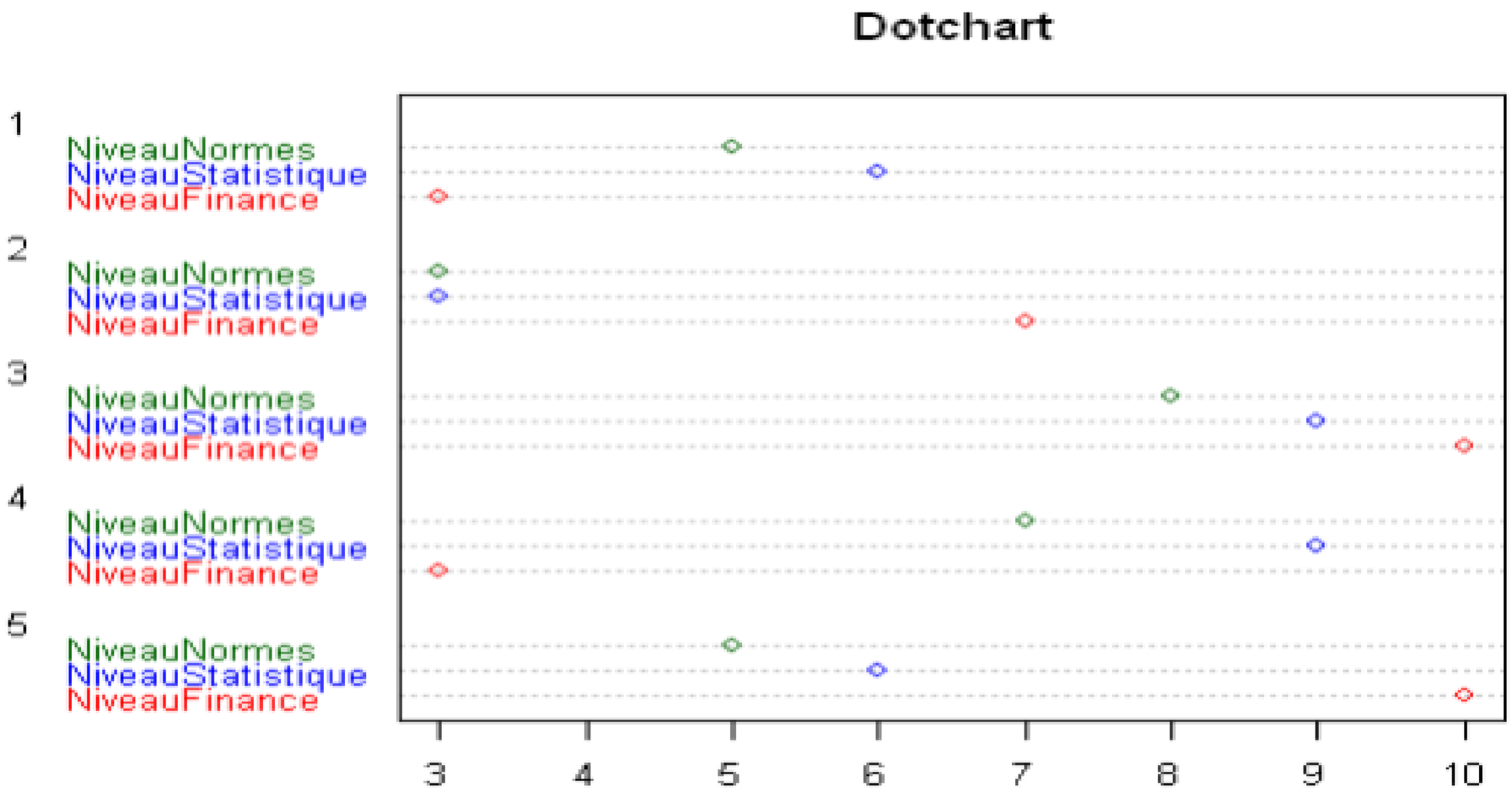
Ellipse de confiance (Youden Plot)



Graphiques en étoile



Graphiques de Cleveland

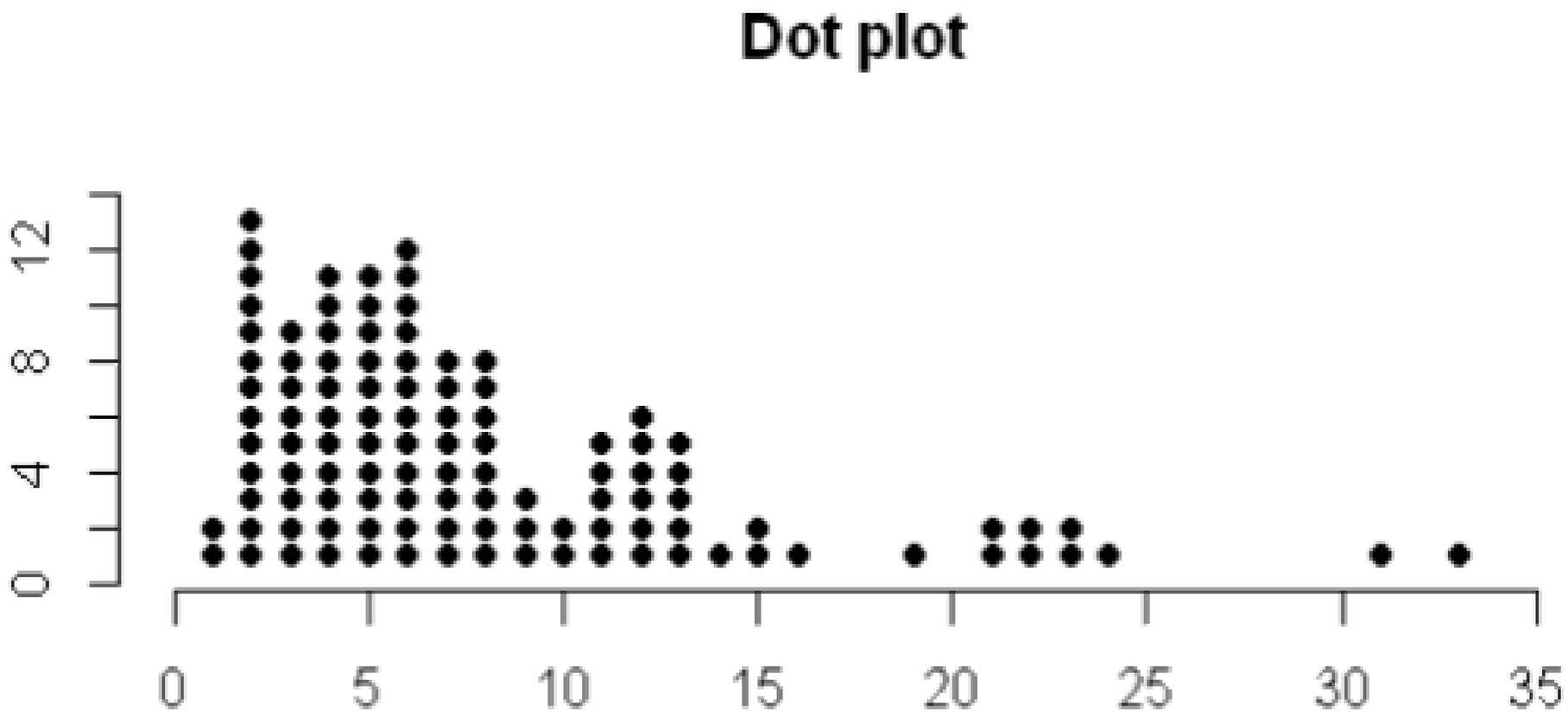


Graphiques à feuilles (Stem-and-Leaf)

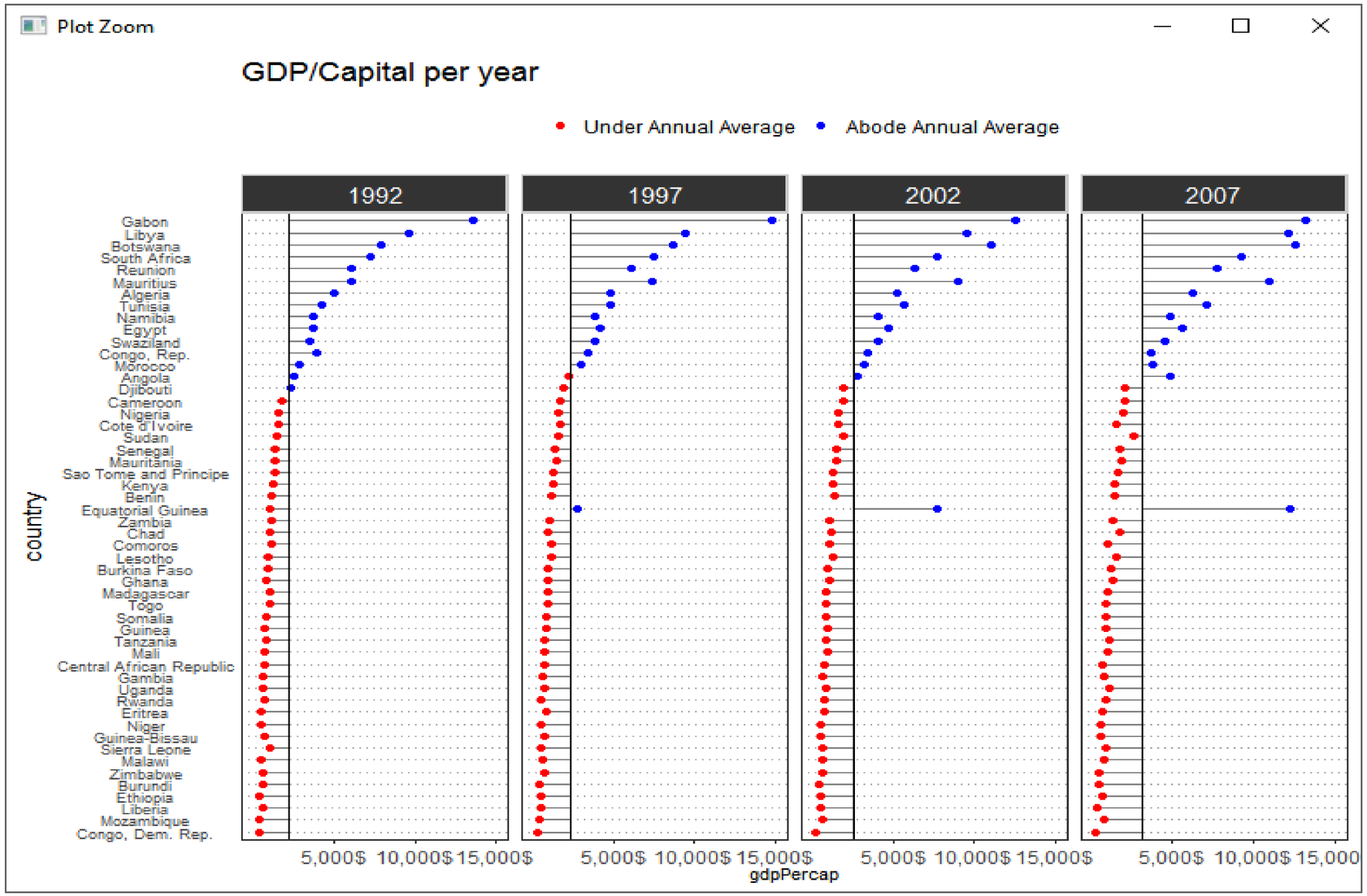
```
The decimal point is at the |

1 | 0122333333344444444444444
1 | 5555555555555666666677779 9
2 |
2 |
3 | 033
3 | 55678999
4 | 0000011122223344 4
4 | 5555555566677777888899999
5 | 0000111111111223344
5 | 5556666667778889 9
6 | 0011134
6 | 6779
```

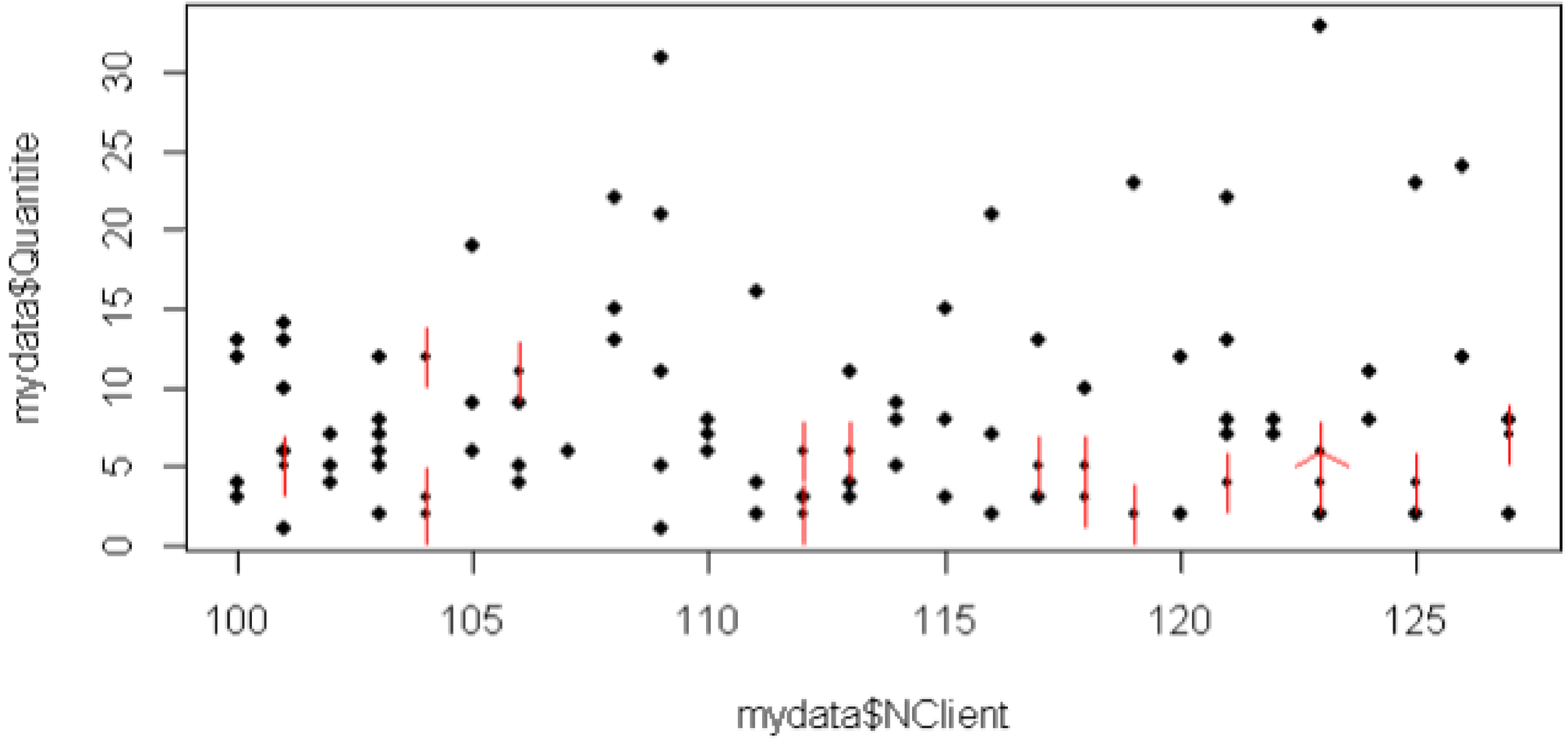
Graphiques de ressemblance (DotPlot)



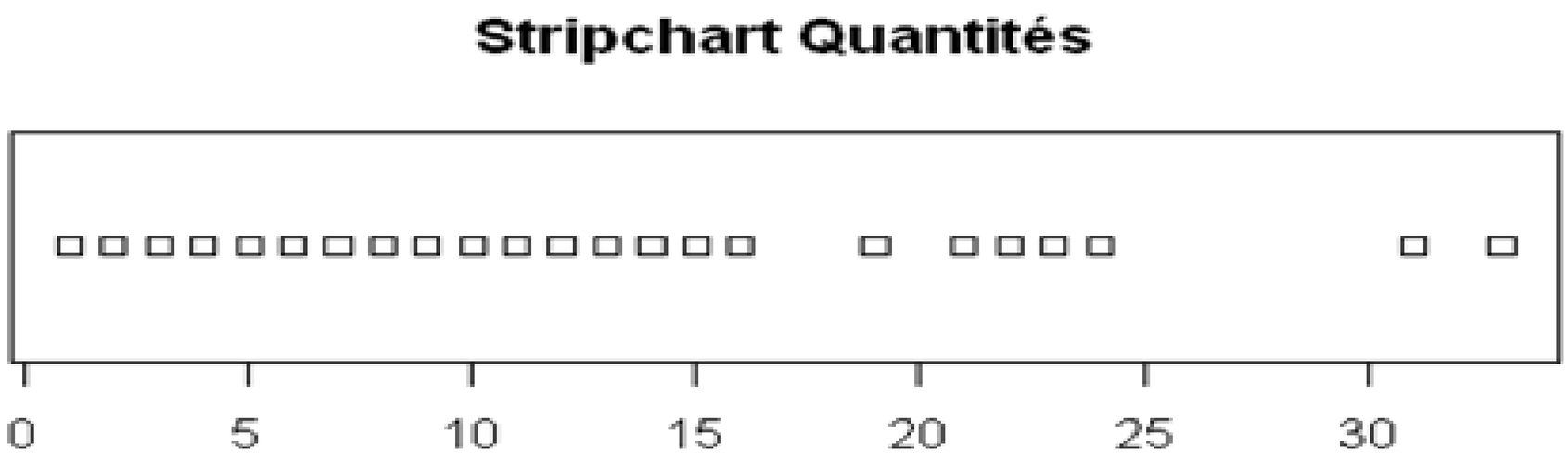
Graphiques lollipop ou en suçons

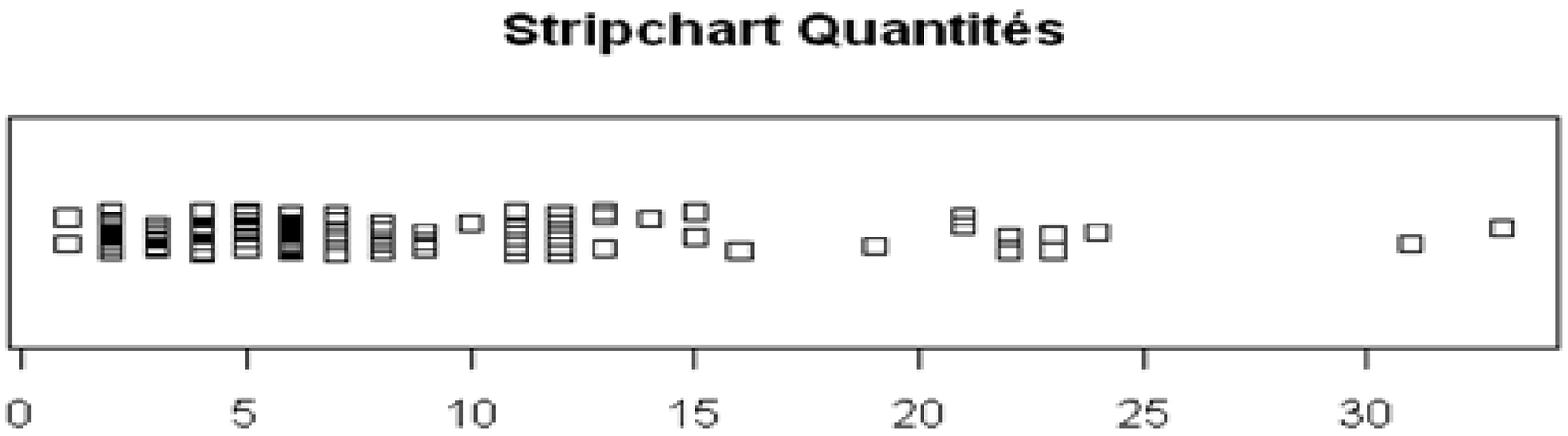


Graphiques tournesols

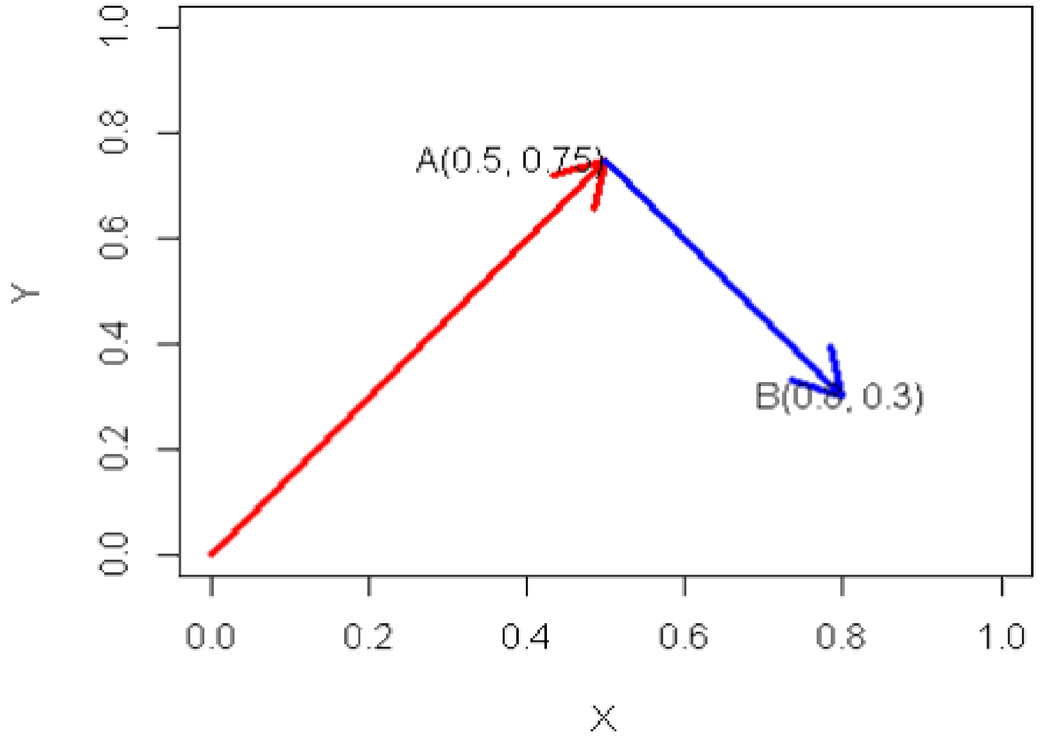


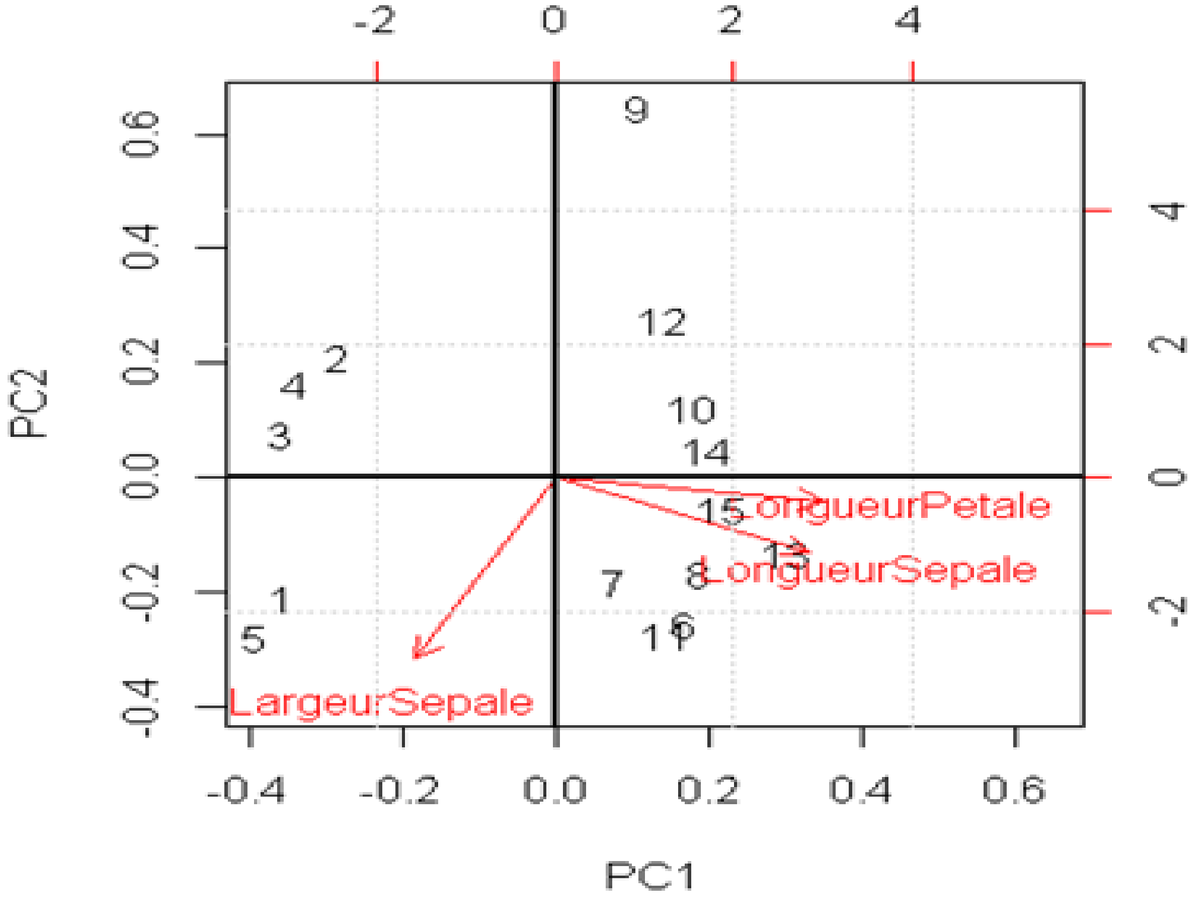
Graphiques « strips » avec Jitters ou Gigue



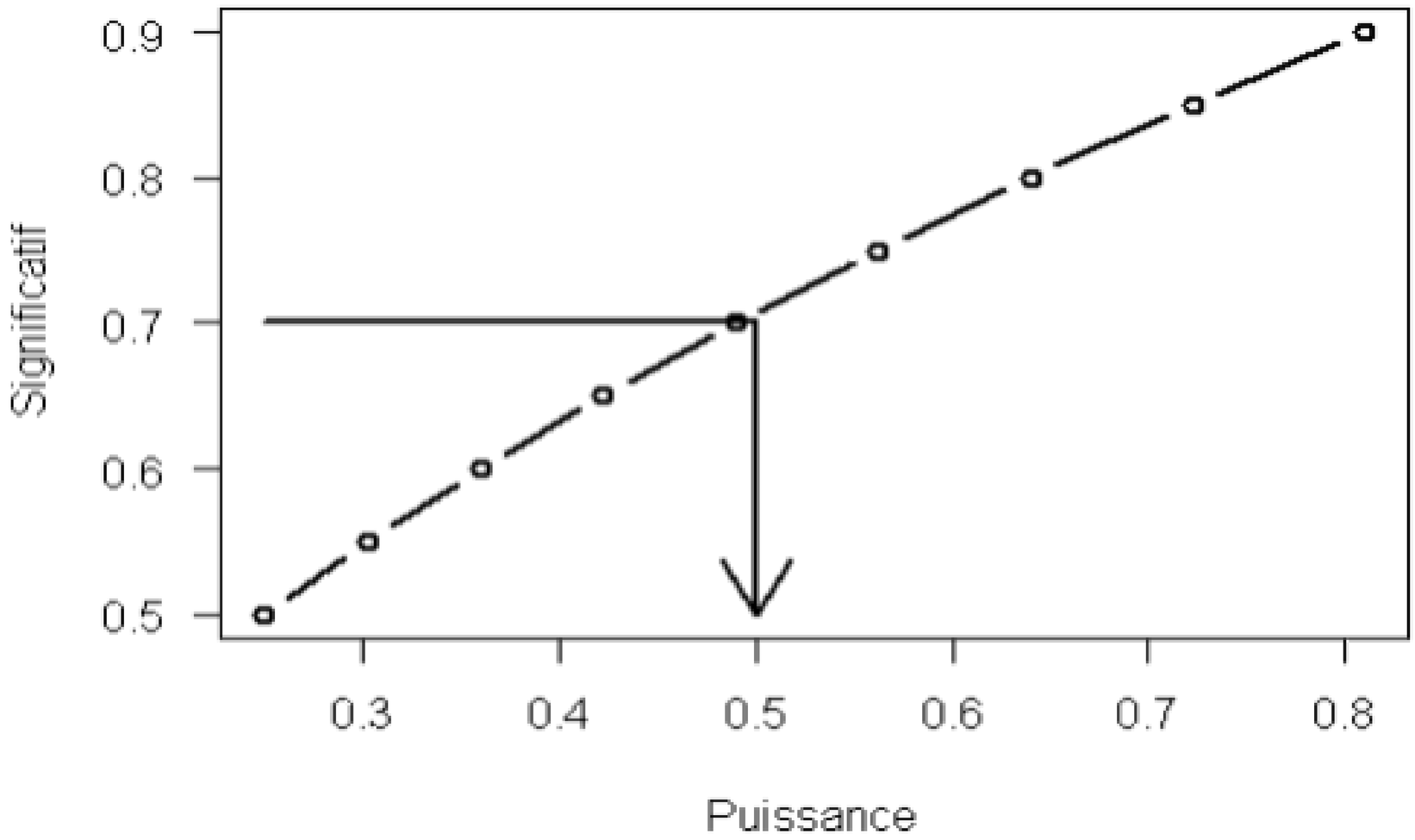


Graphiques vectoriels

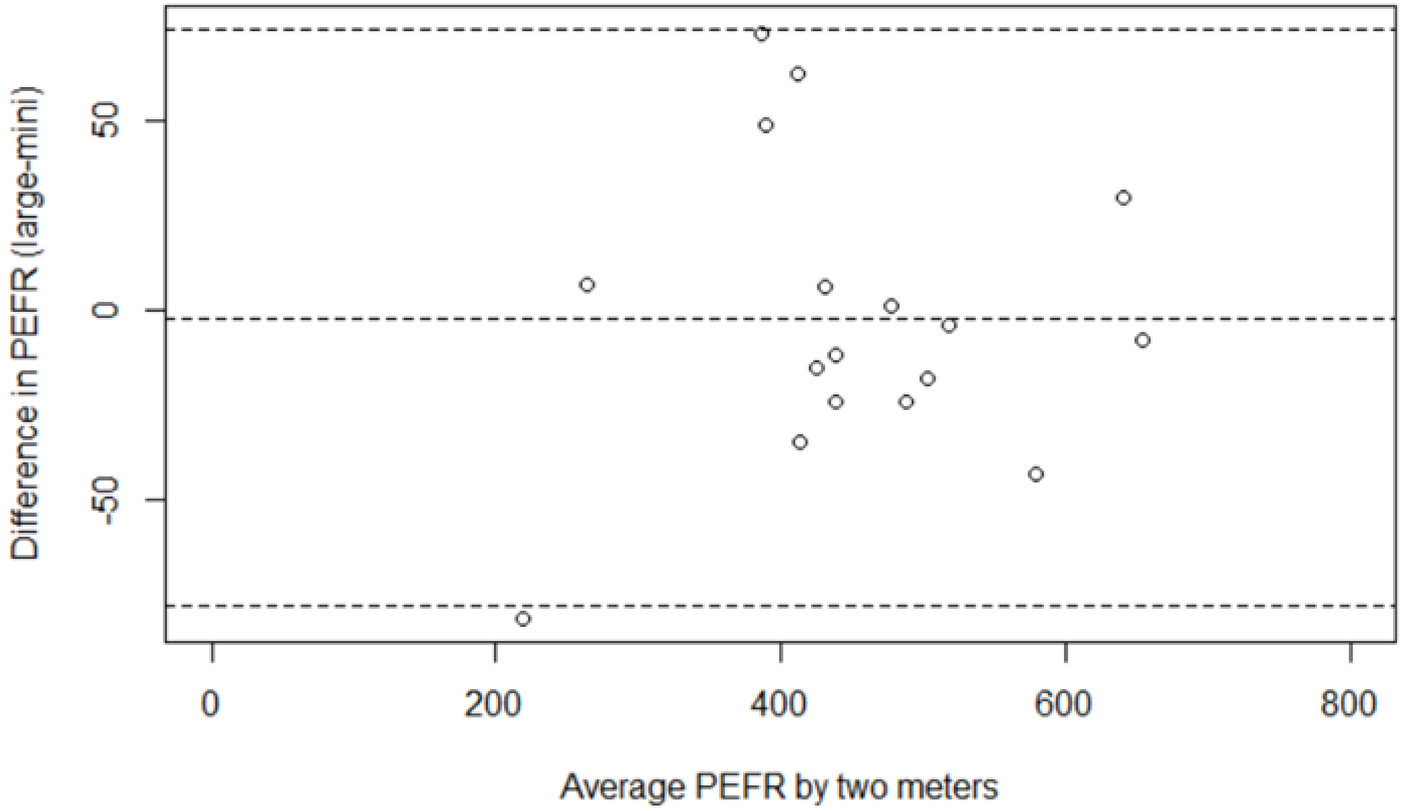




Graphiques vectoriels : autre variante

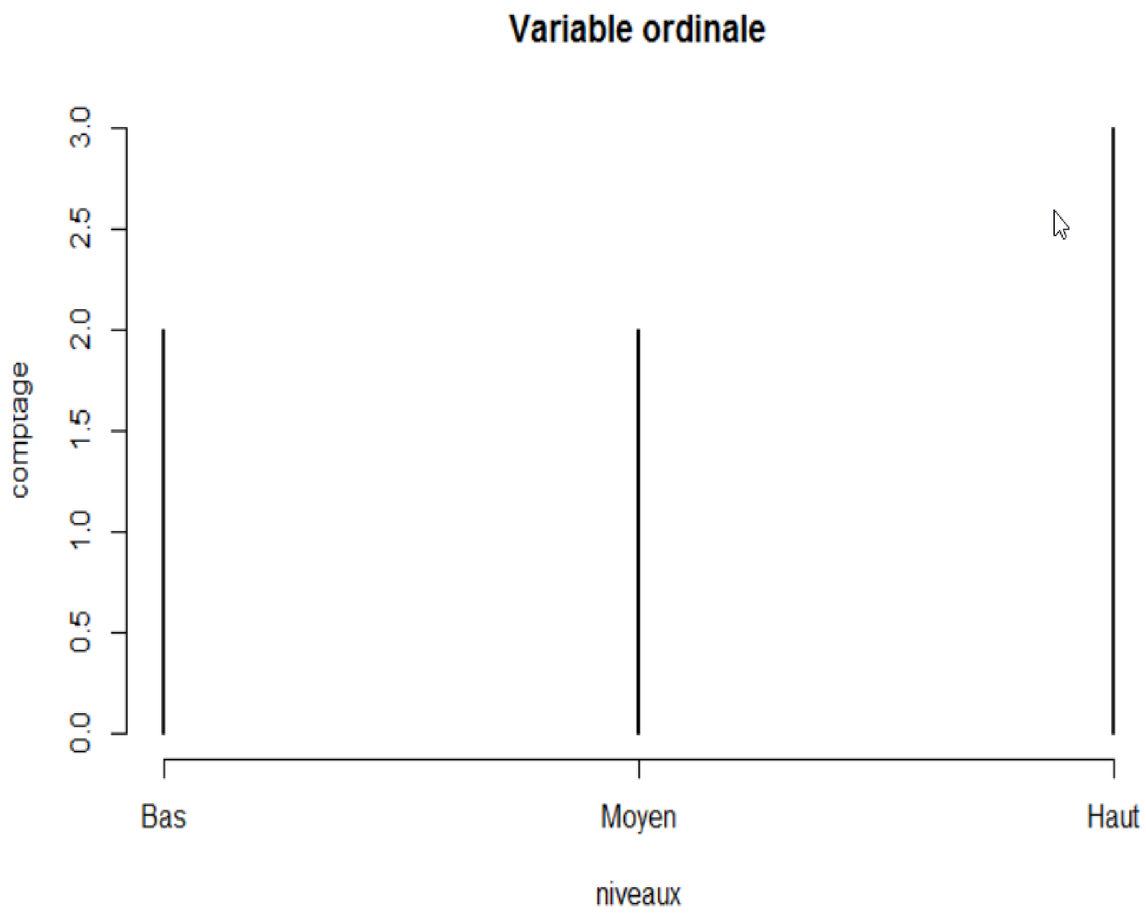


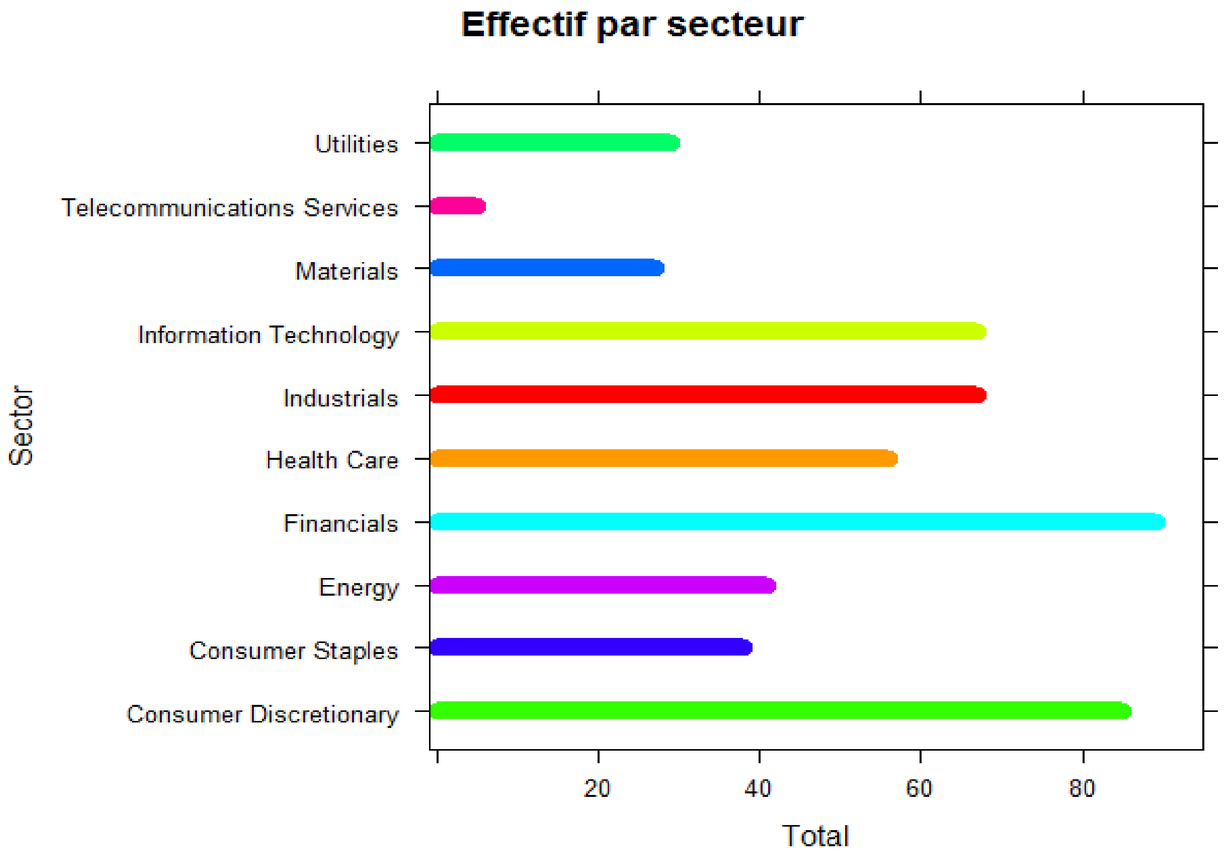
Carte de contrôle de Bland-Altman



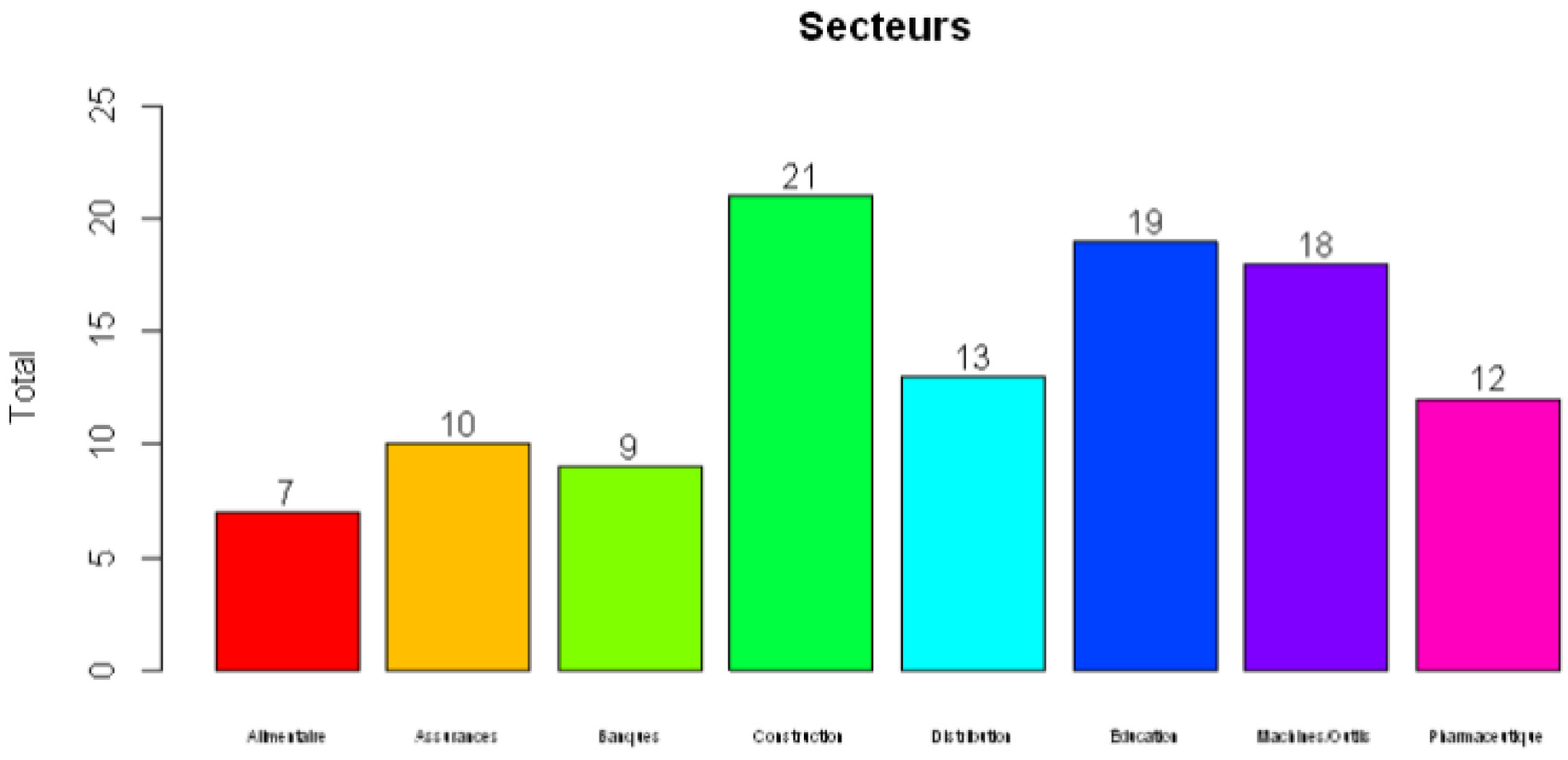
Graphiques à barres

Graphiques en bâtons

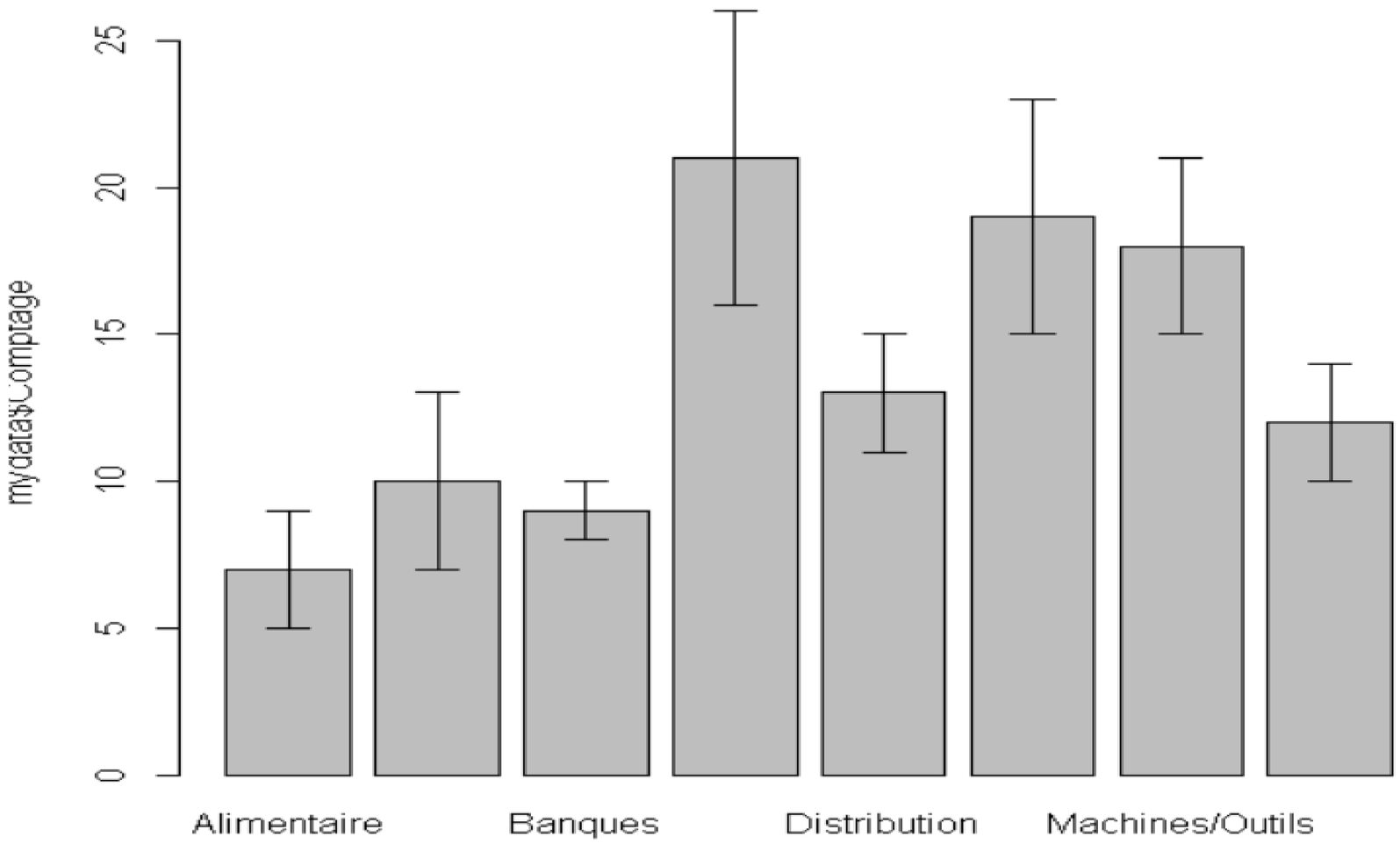




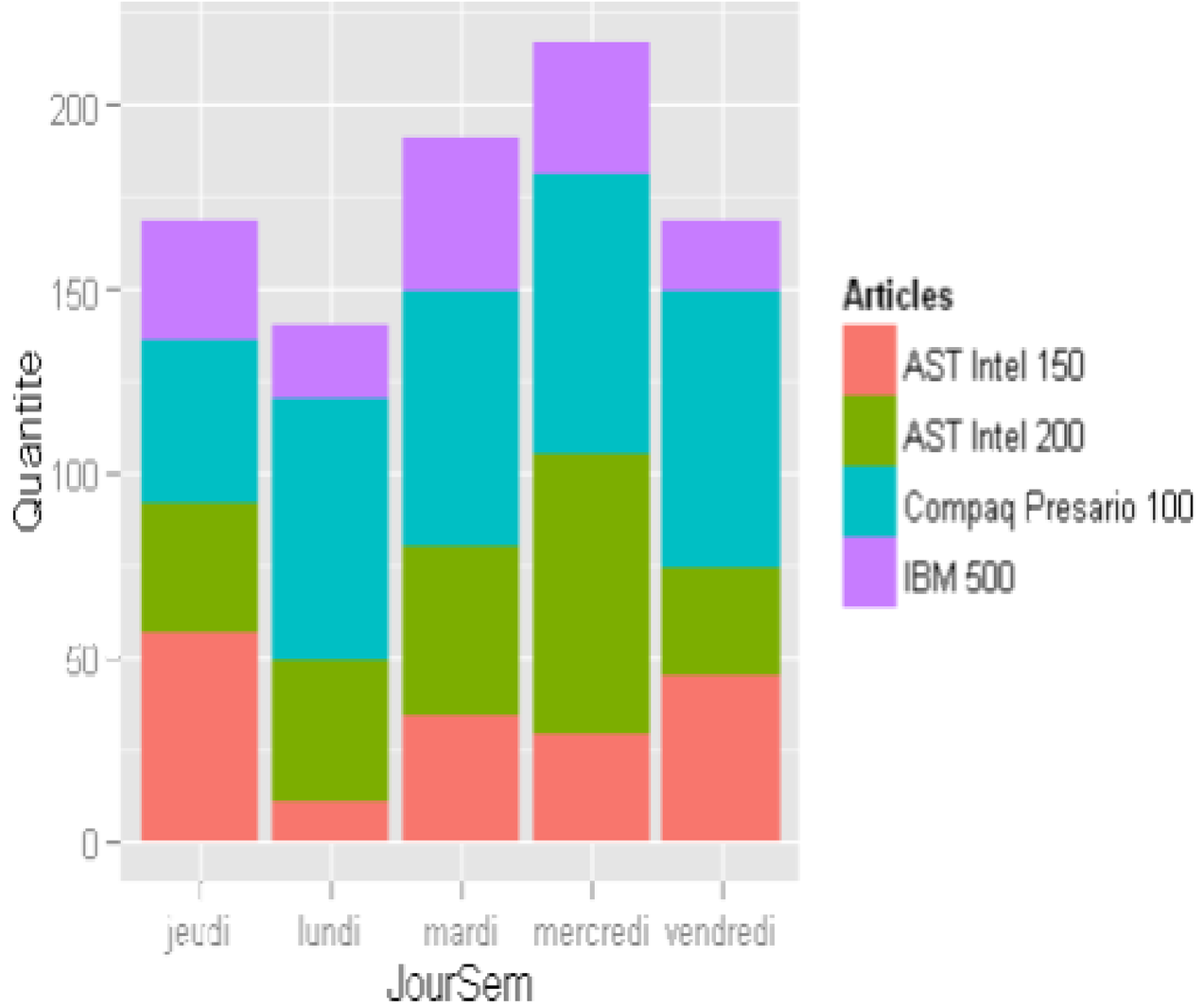
Graphiques en barres

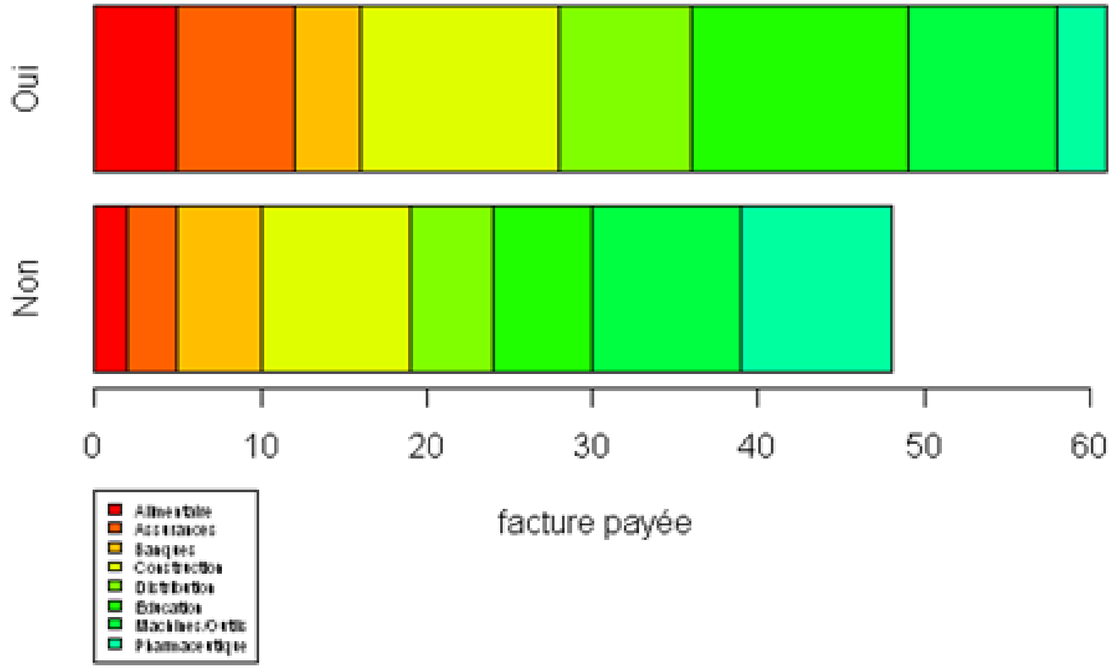


Graphiques en barres avec barres d’erreurs

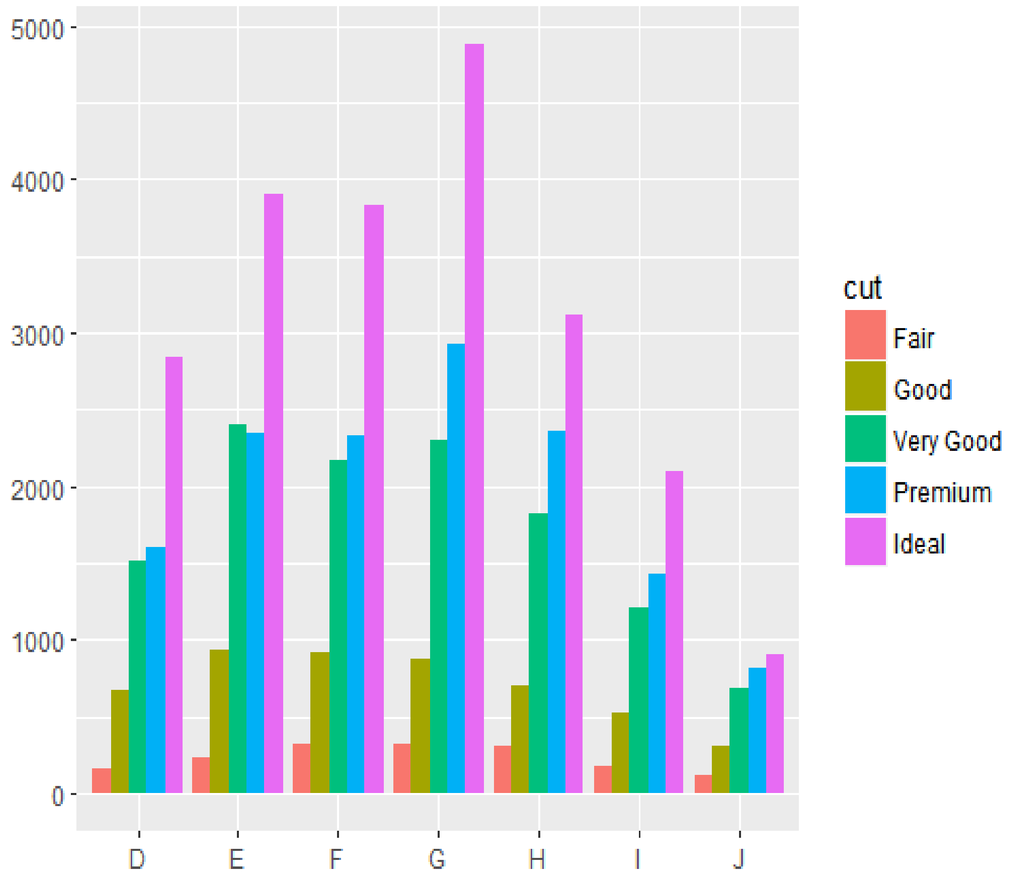


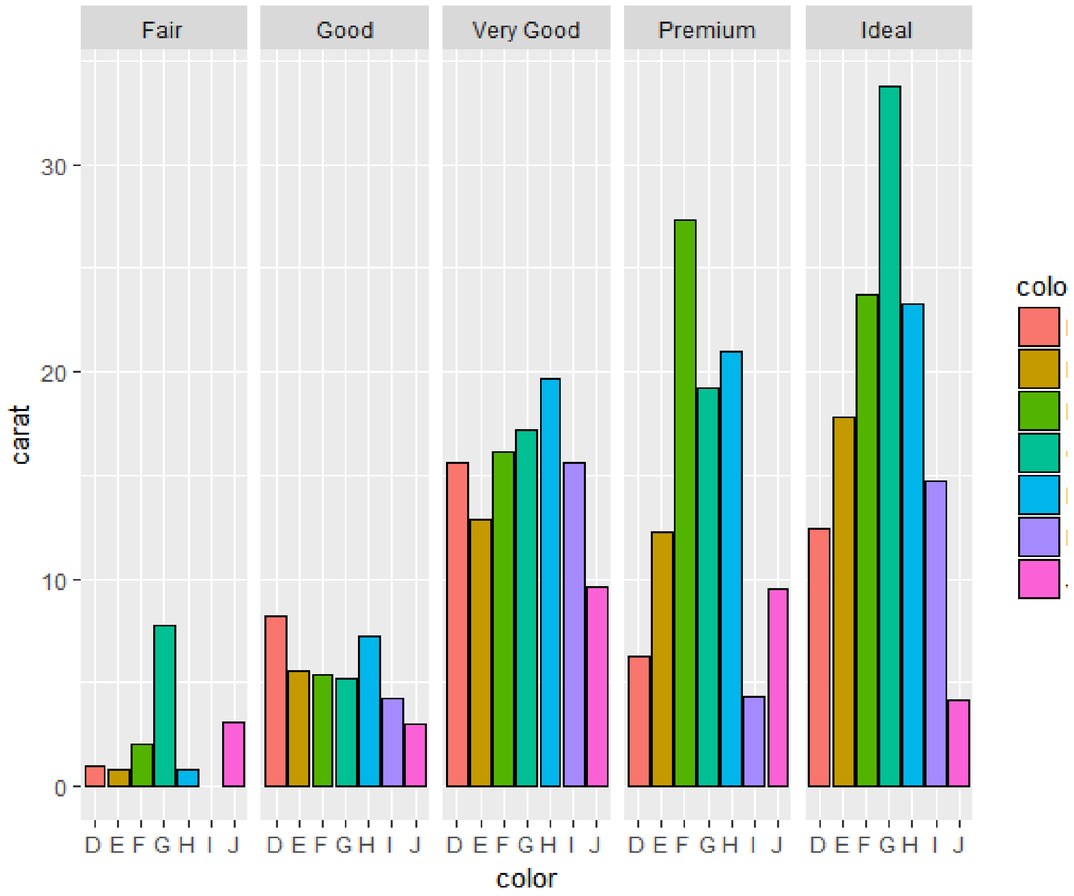
Graphiques en barres empilées



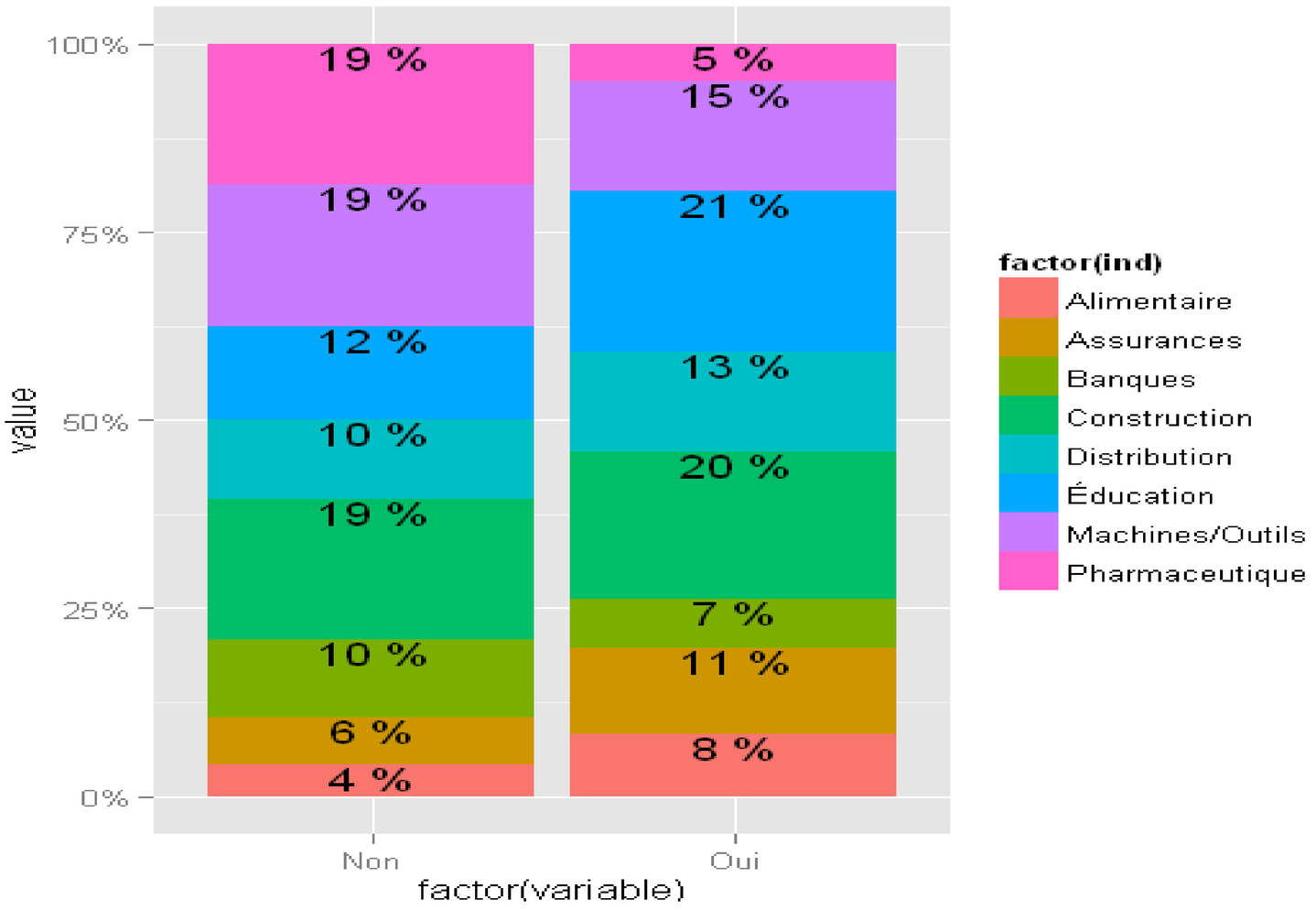


Graphiques en barres groupées

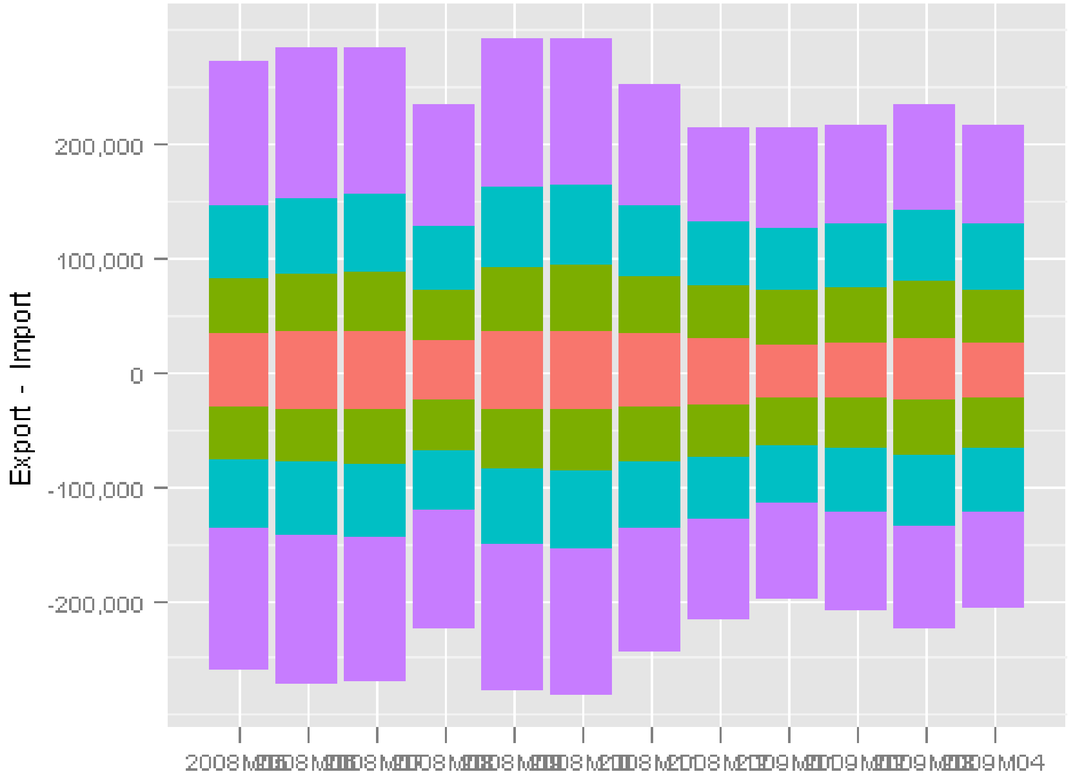


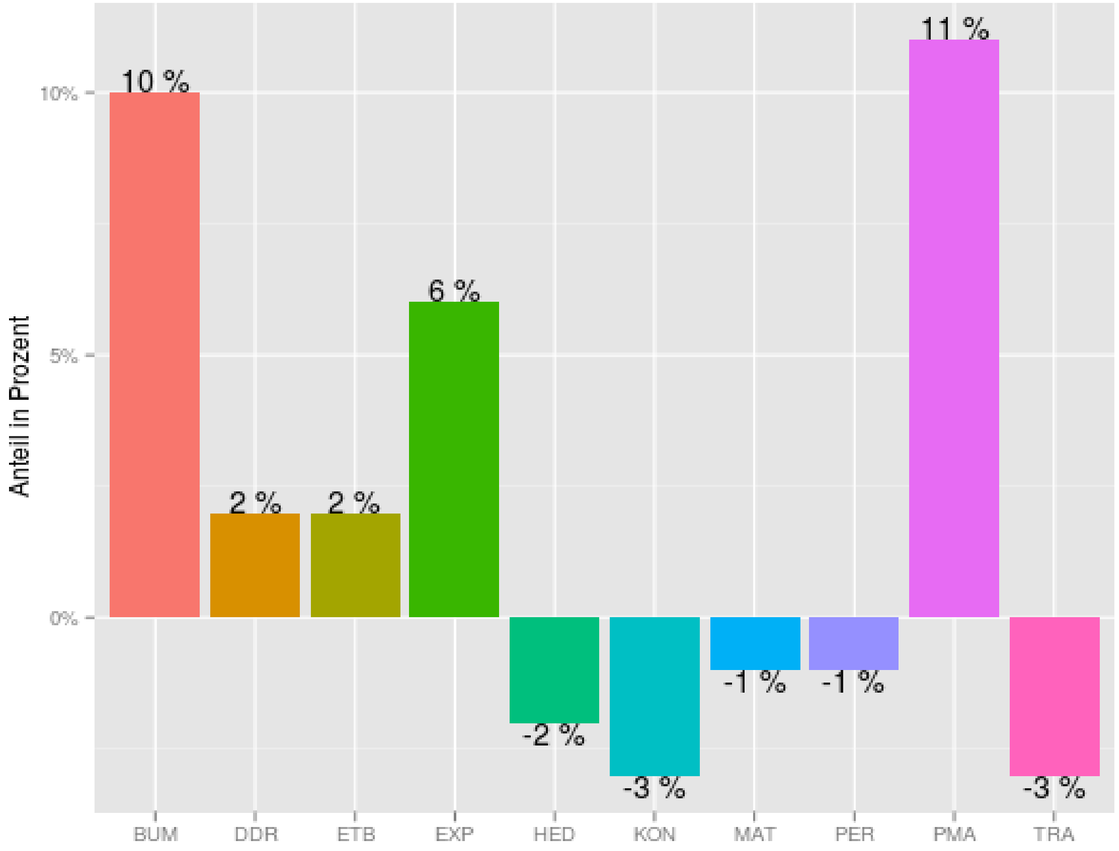


Graphiques en barres empilées normalisées

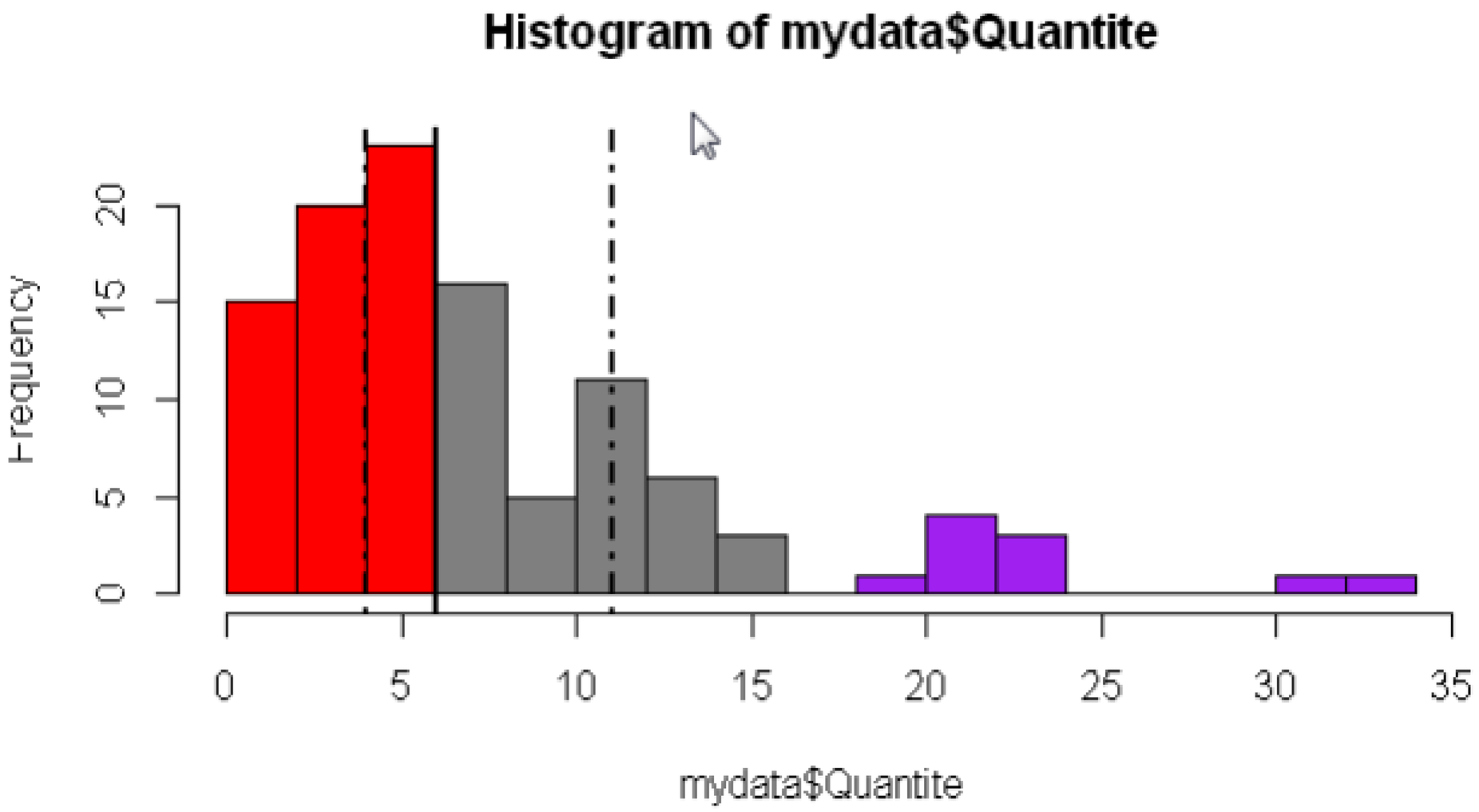


Graphiques en barres back to back

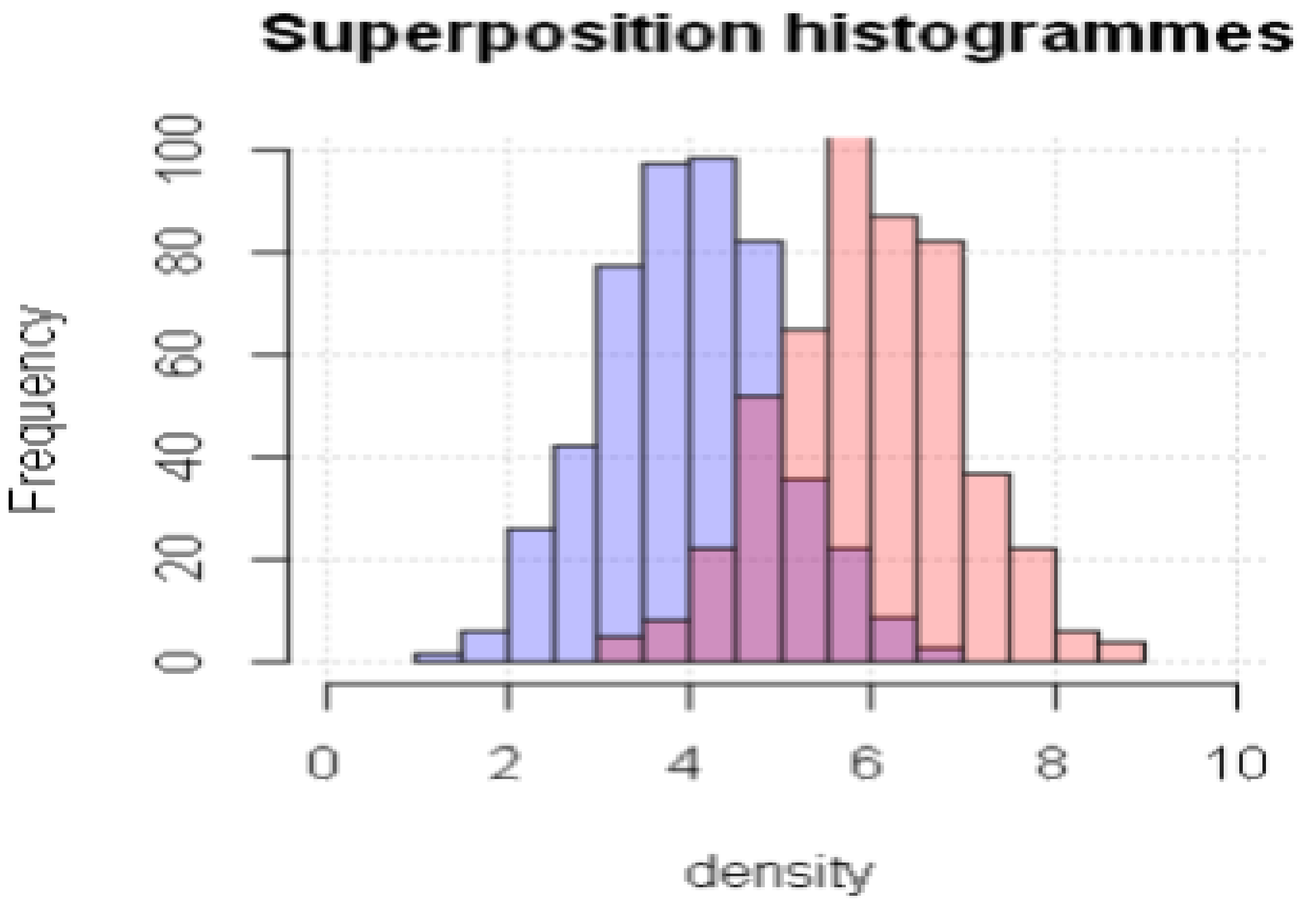




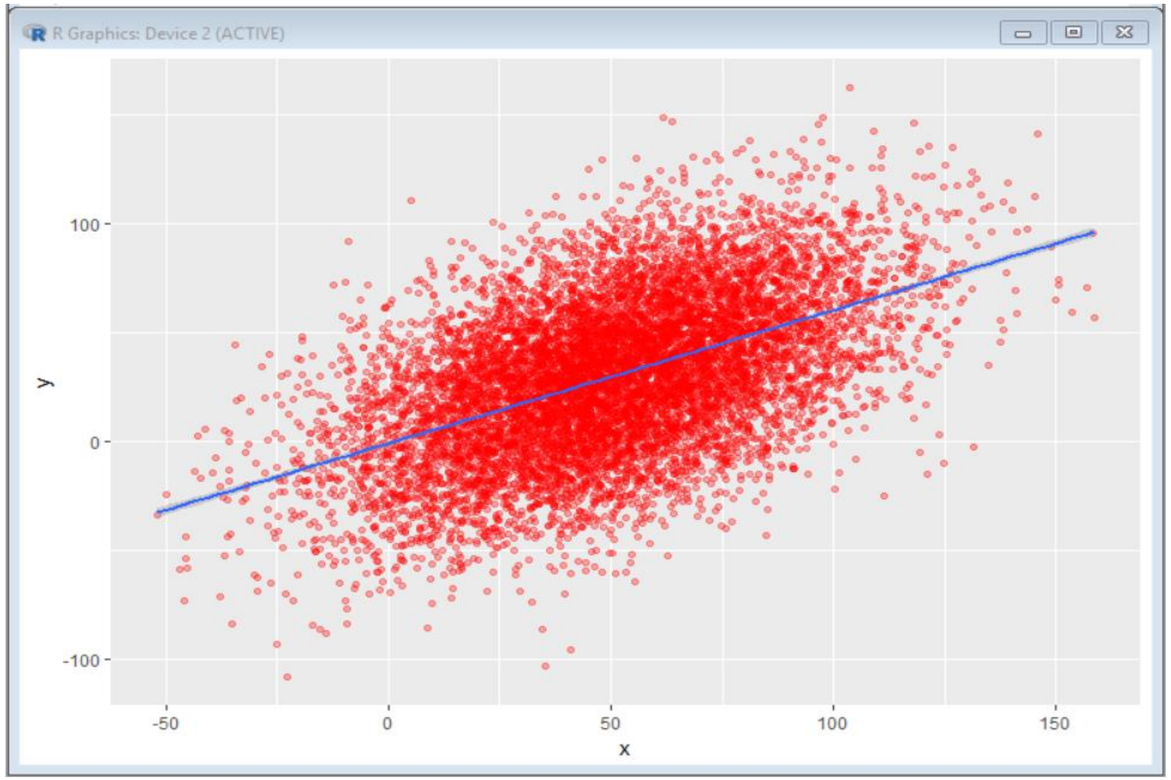
Histogrammes

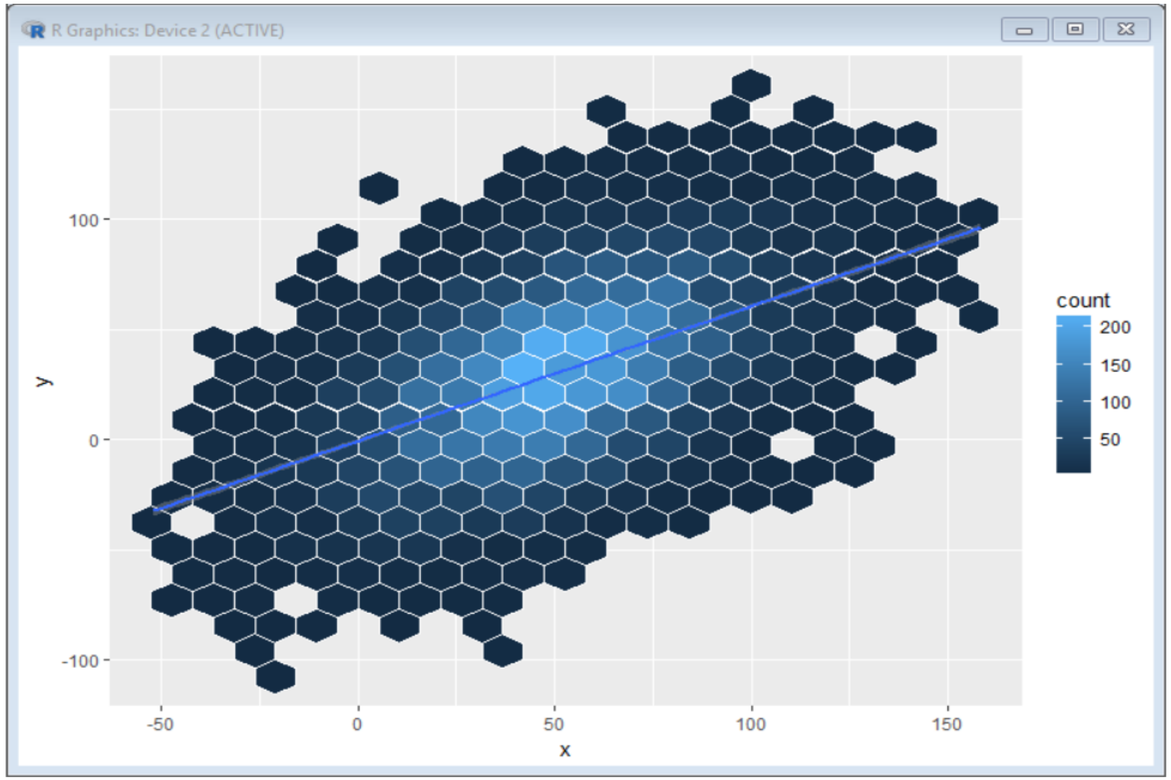


Histogrammes superposés

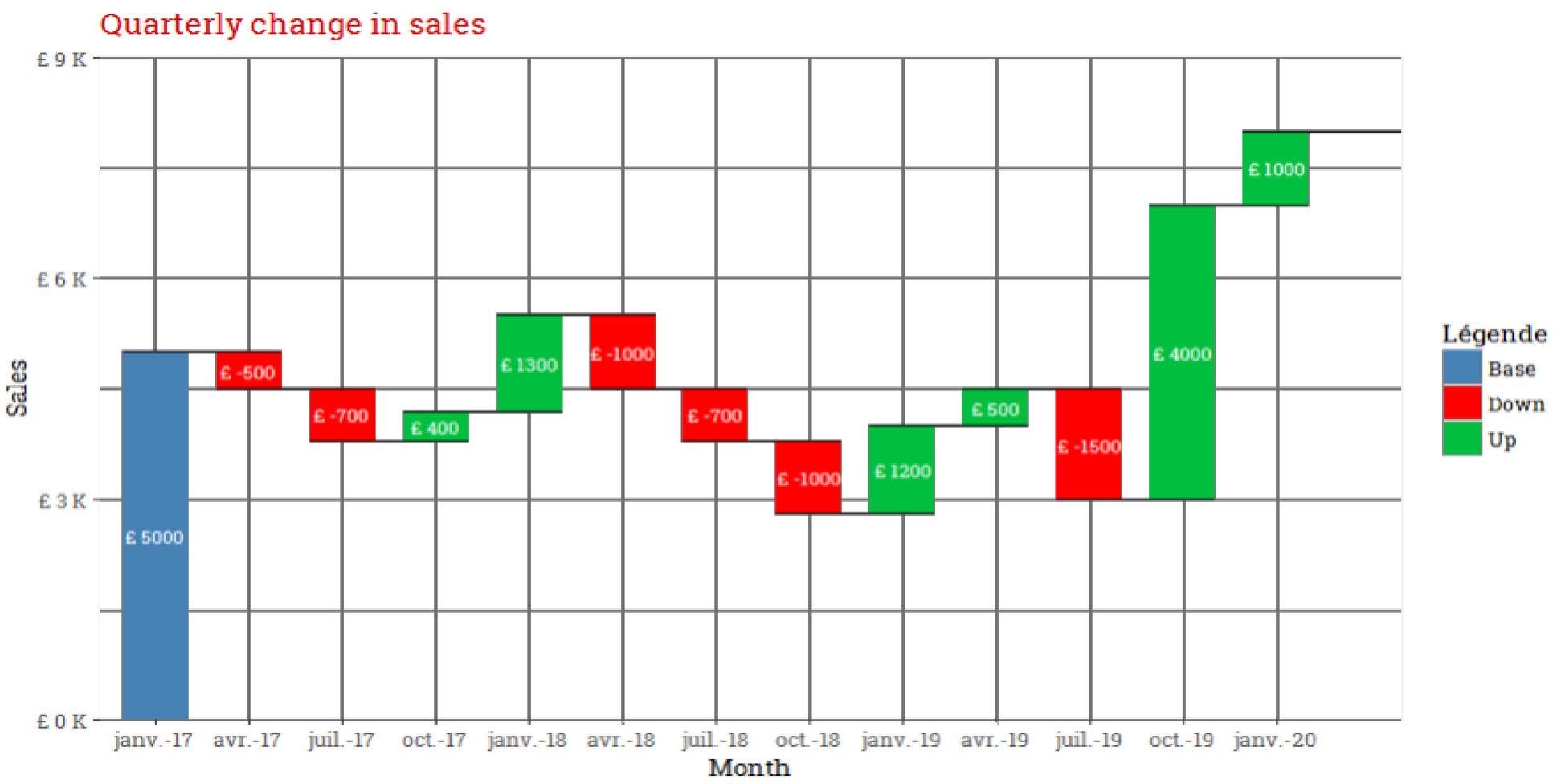


Graphiques Hexabins

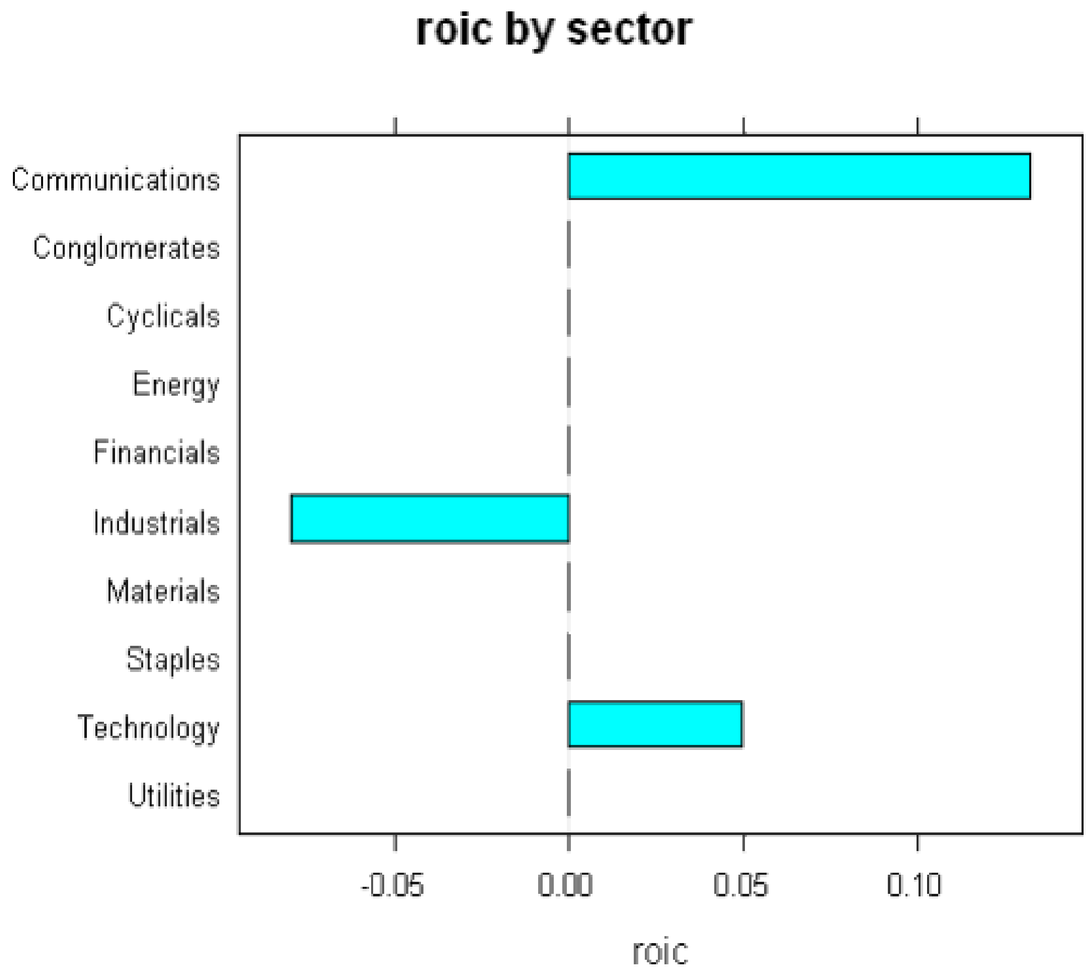




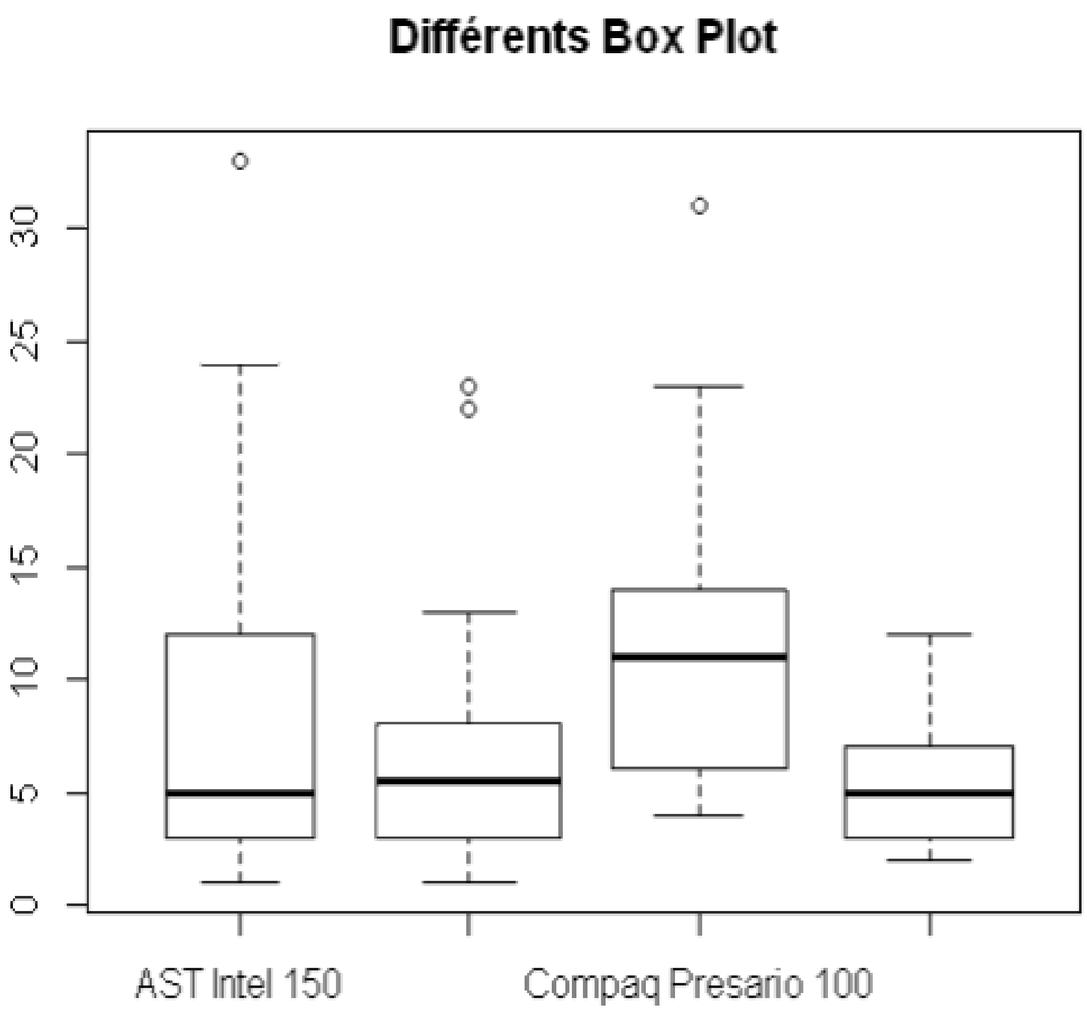
Graphiques en cascade



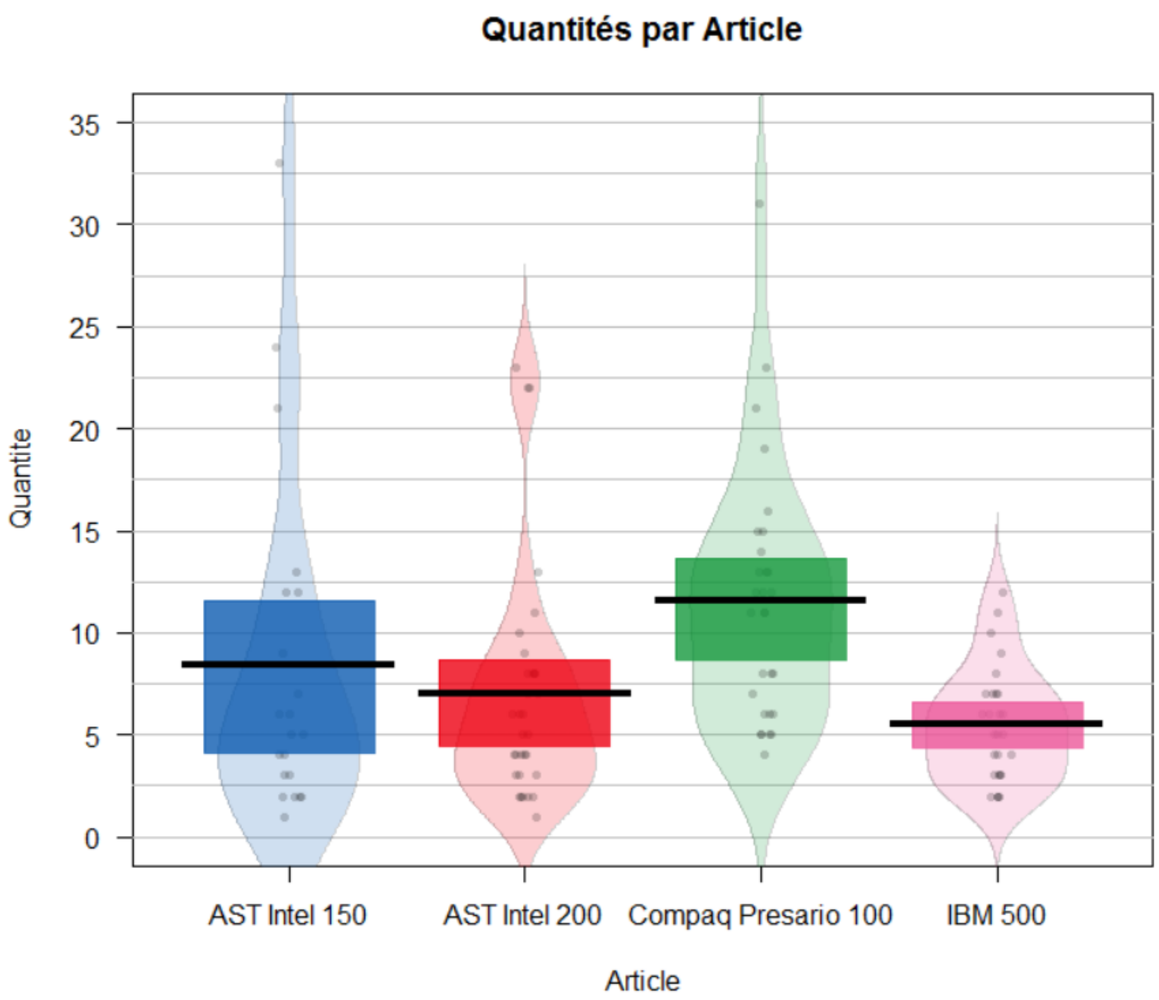
Graphiques en tornades



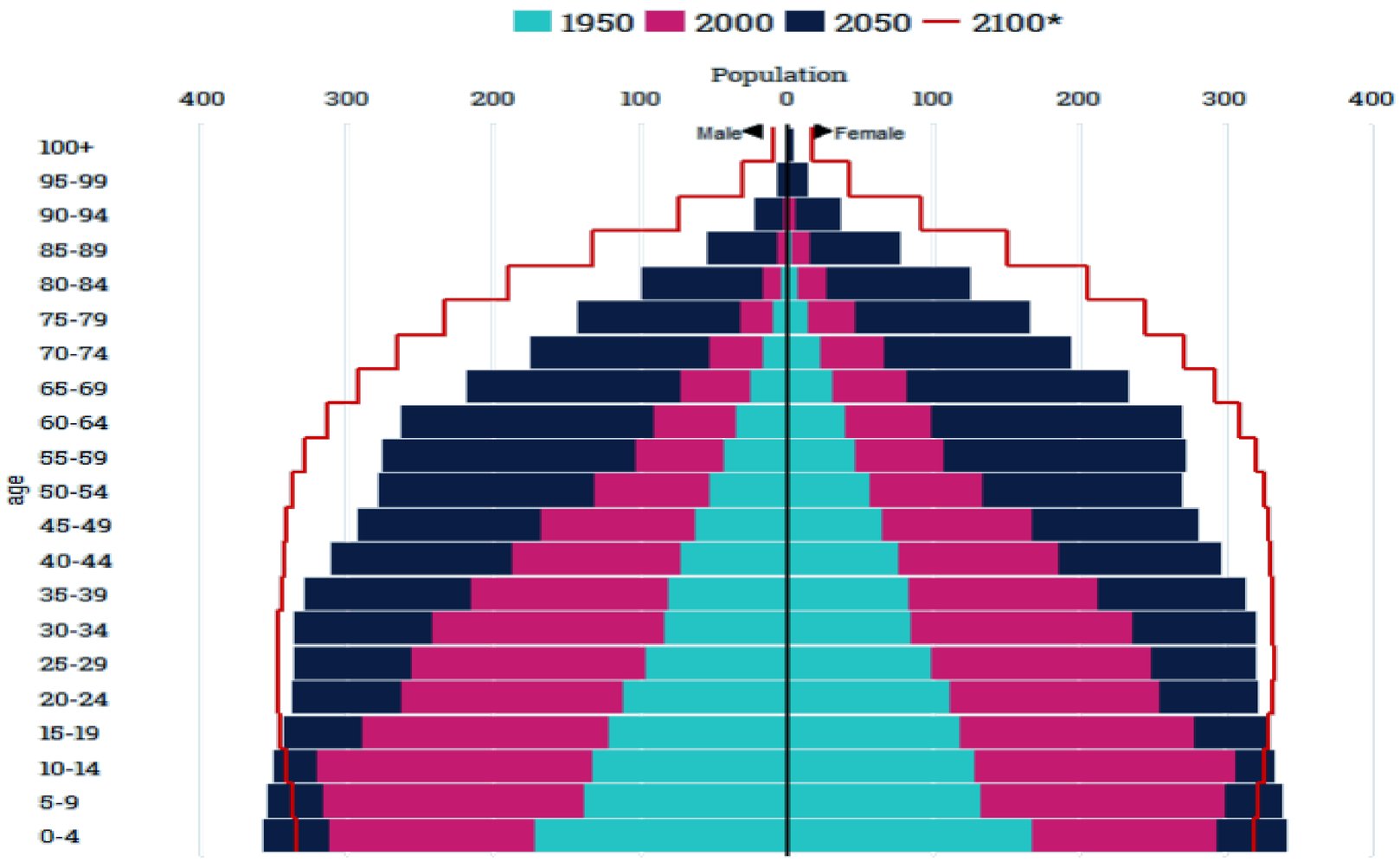
Graphiques en boîte (Box et Whiskers)



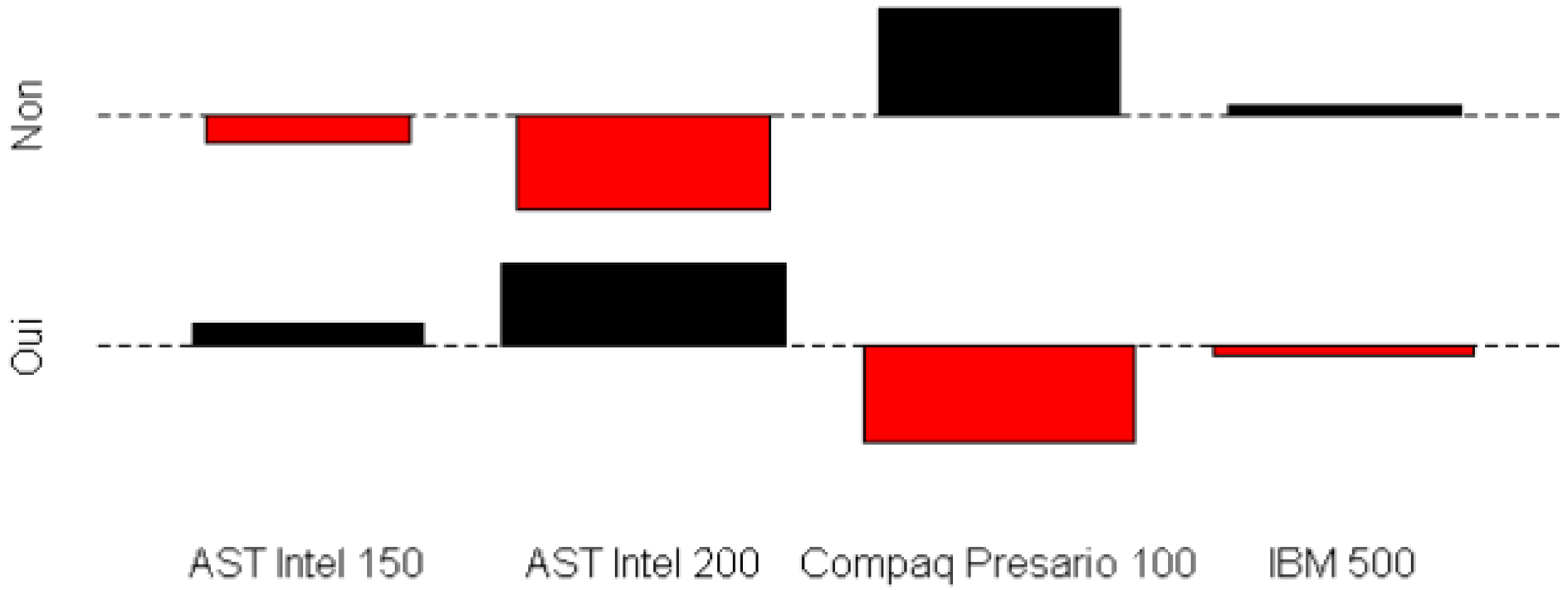
Graphique en violon



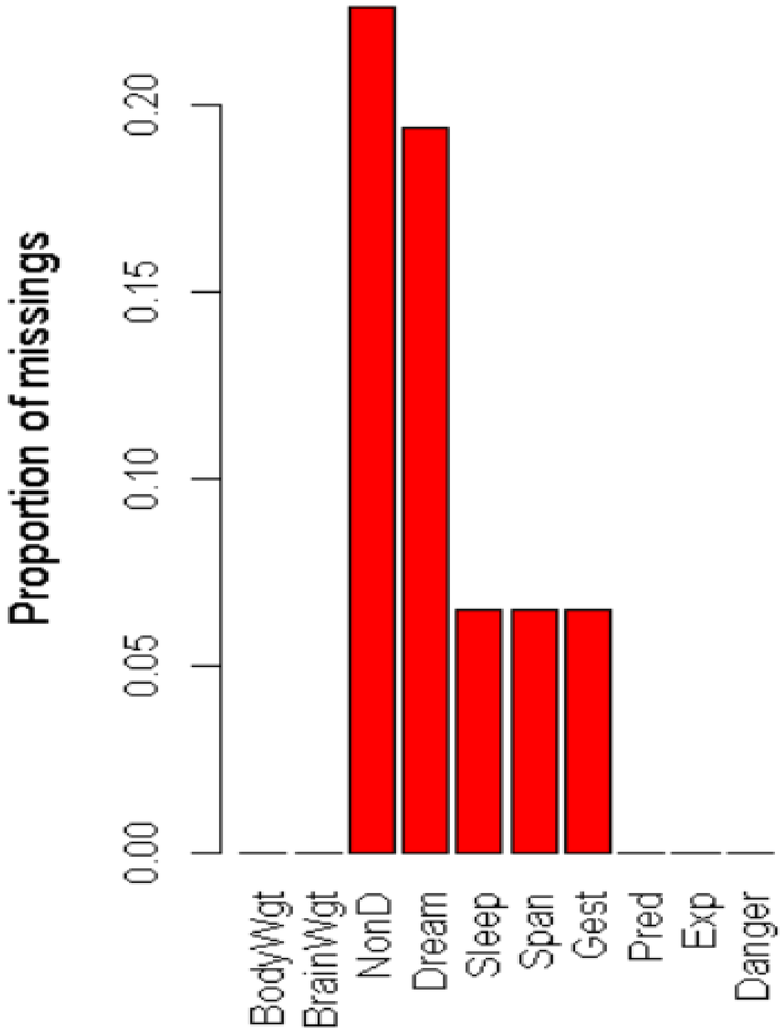
Graphiques en pyramide

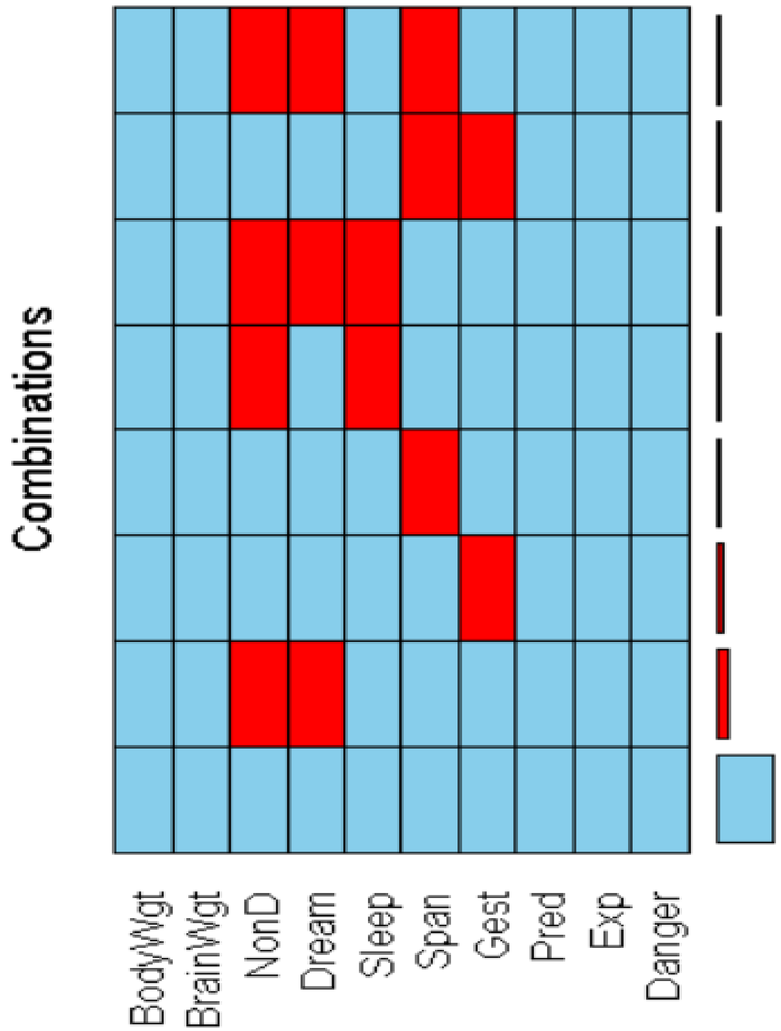


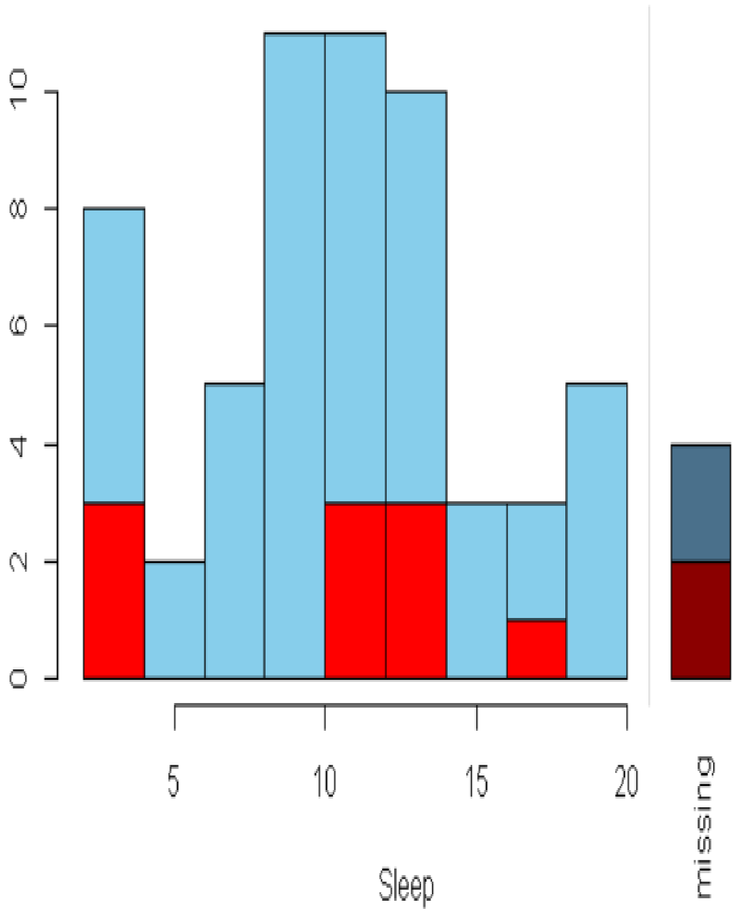
Graphiques d'associations



Histogrammes de données manquantes

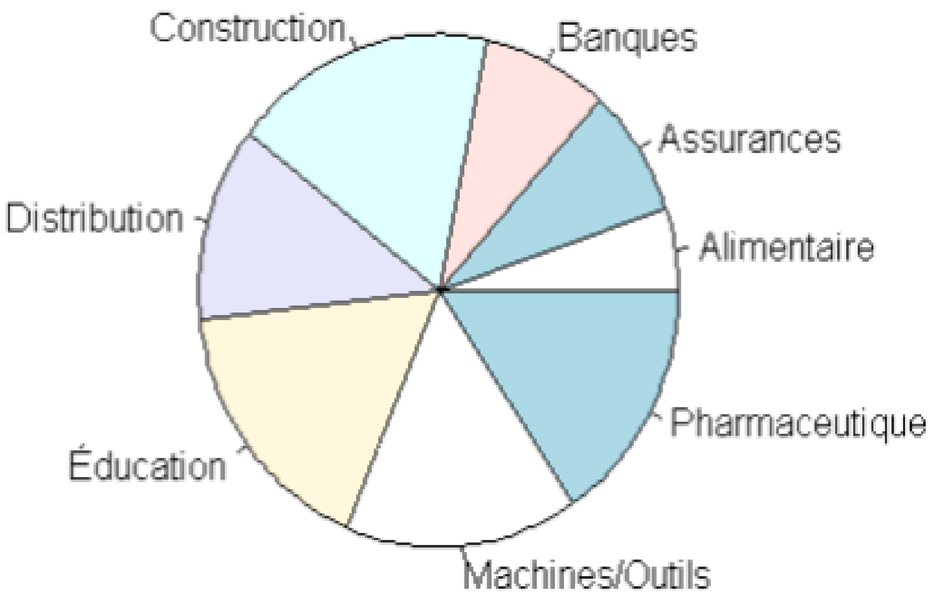


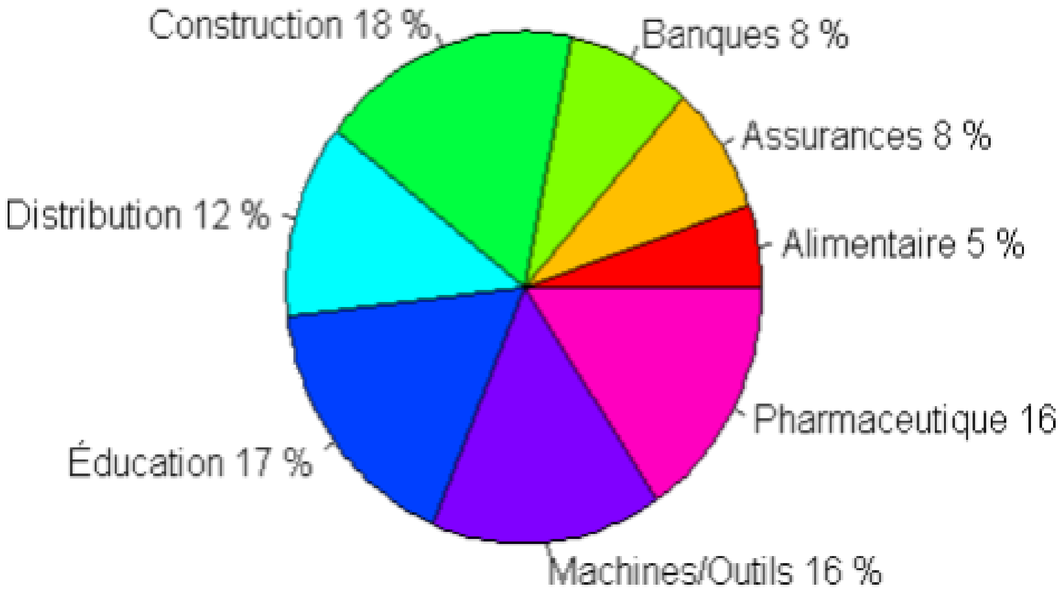




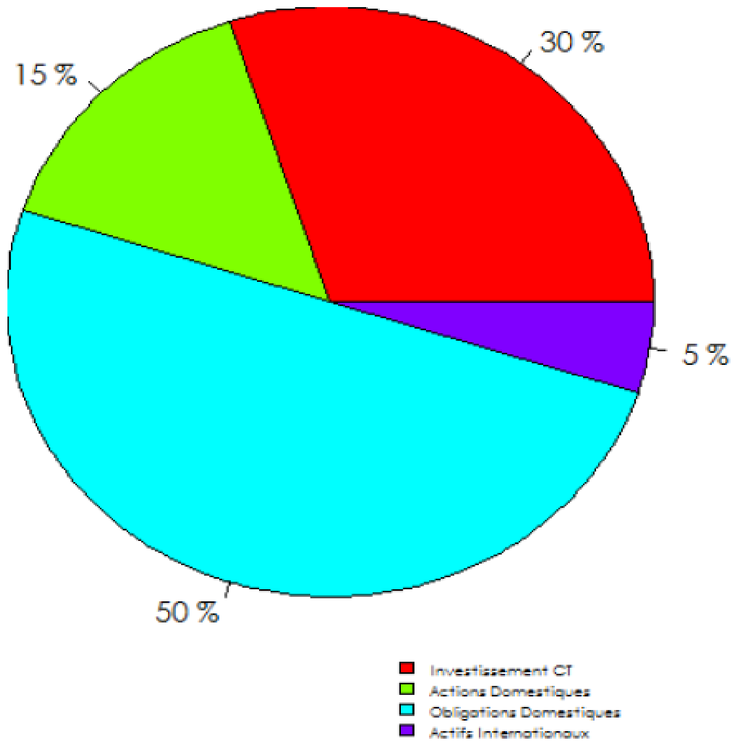
Graphiques polaires

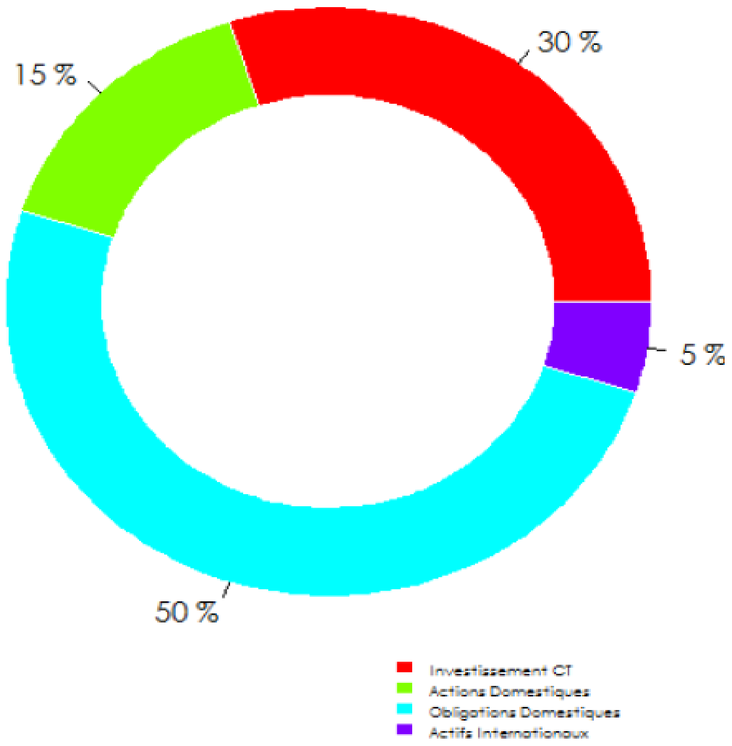
Graphiques en secteurs



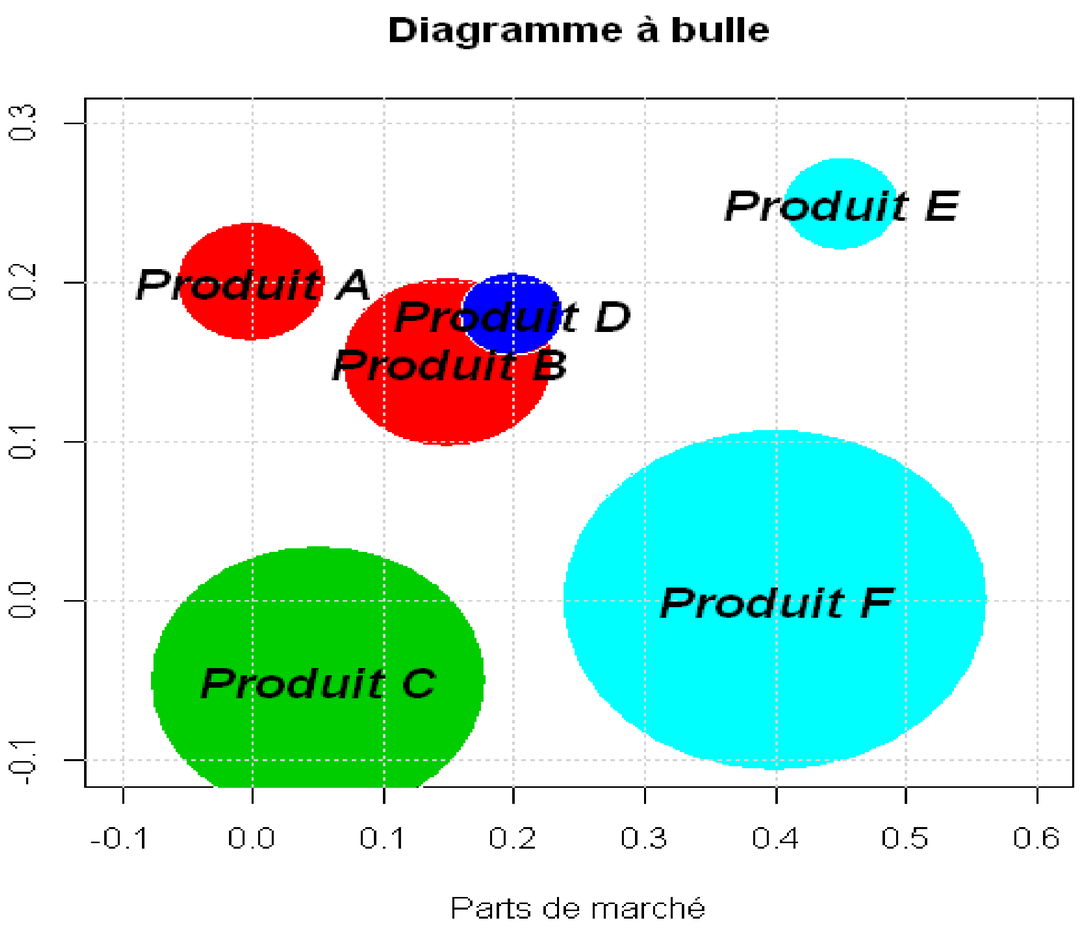


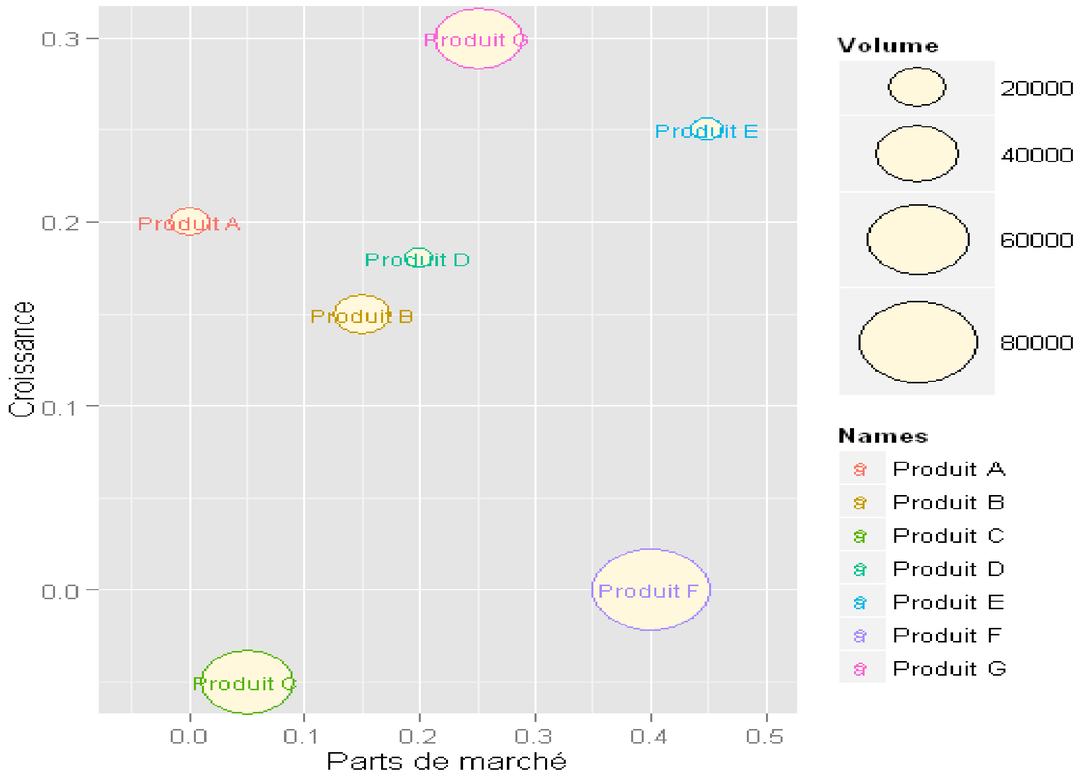
Graphiques en anneaux (donuts)



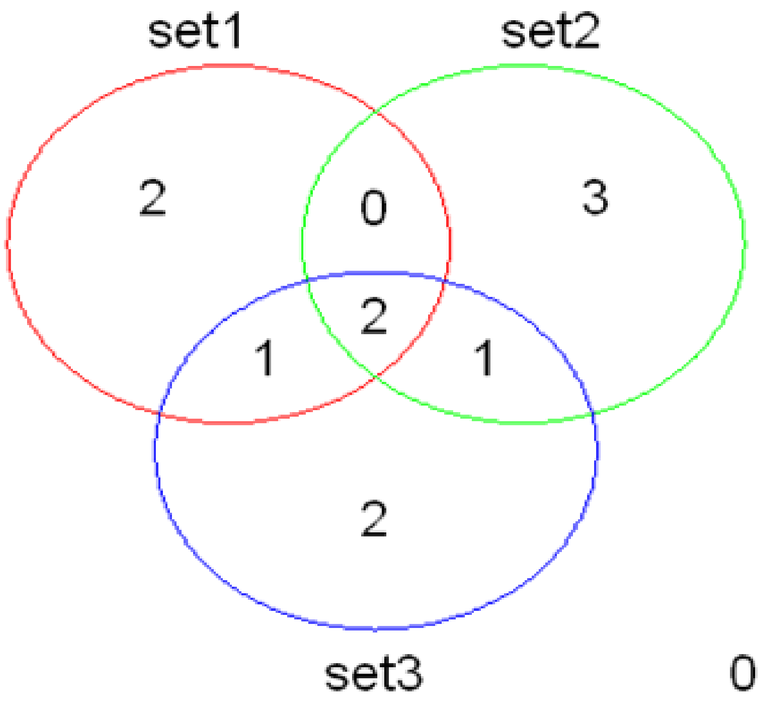


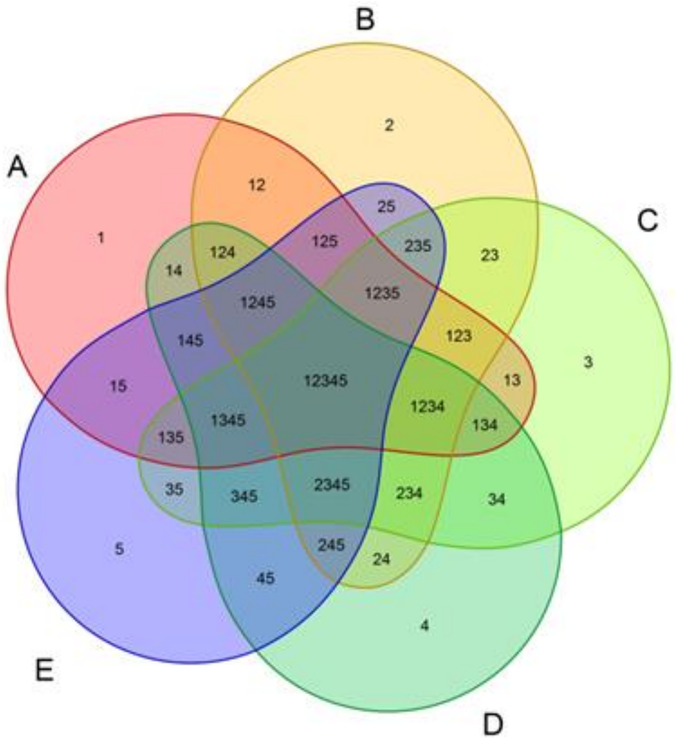
Graphiques à bulles

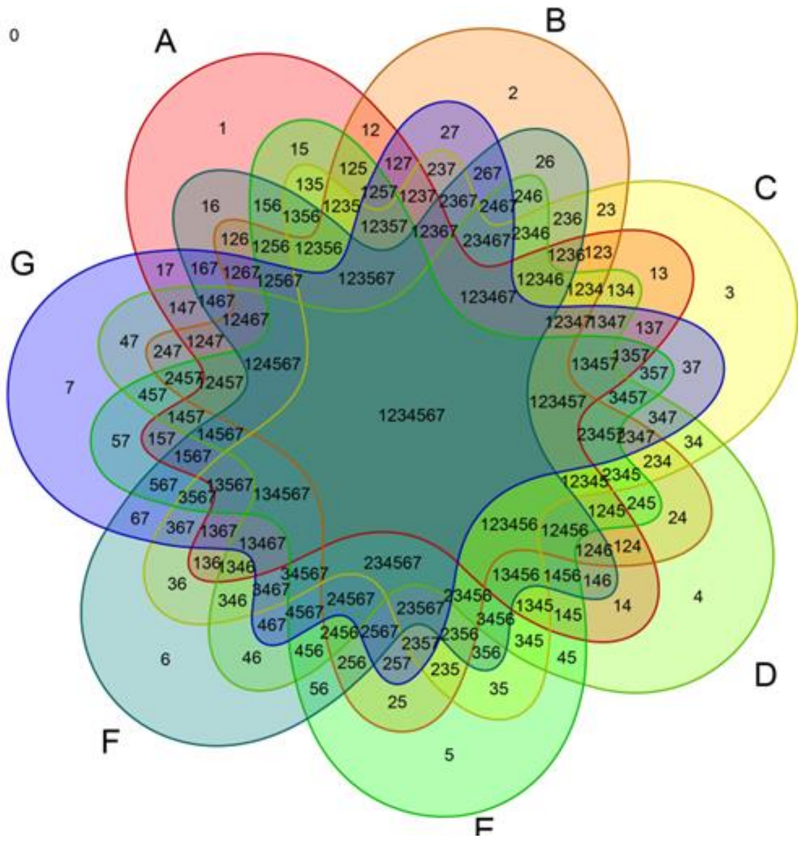




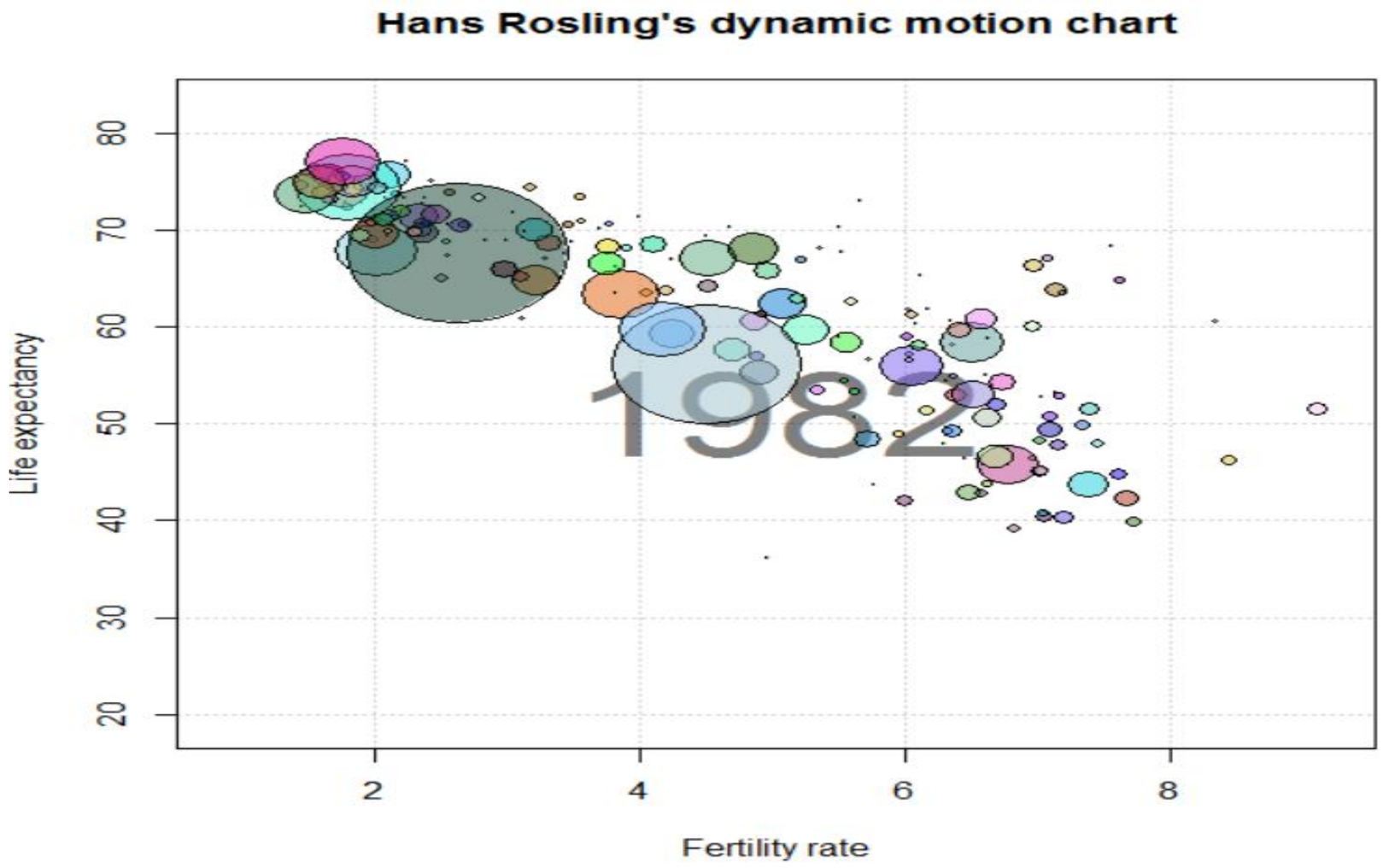
Graphiques de Venn



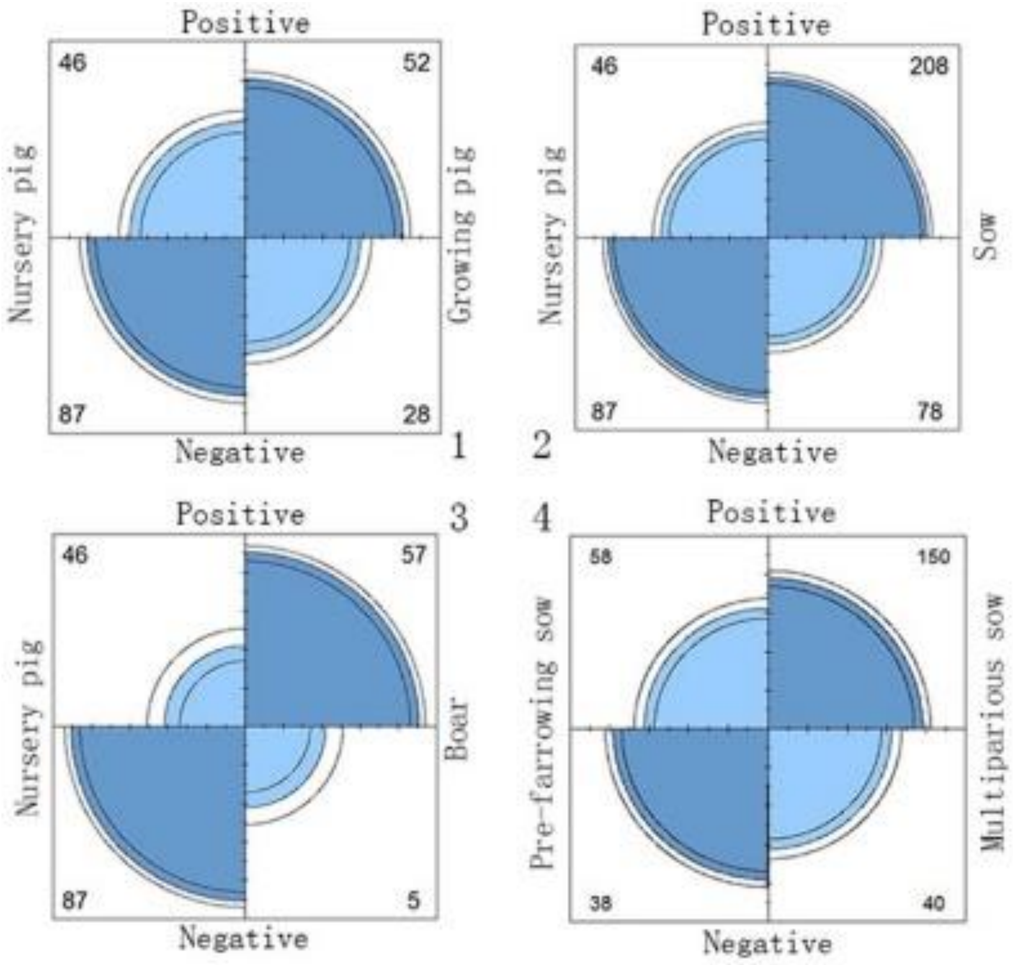




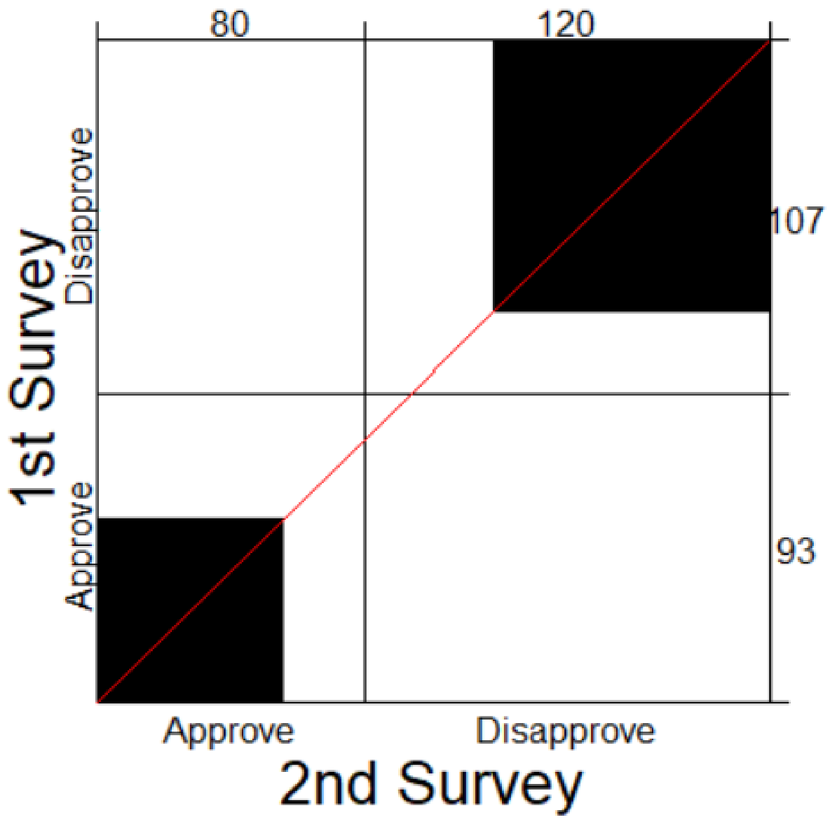
Graphiques de Rosling (bulles animées)



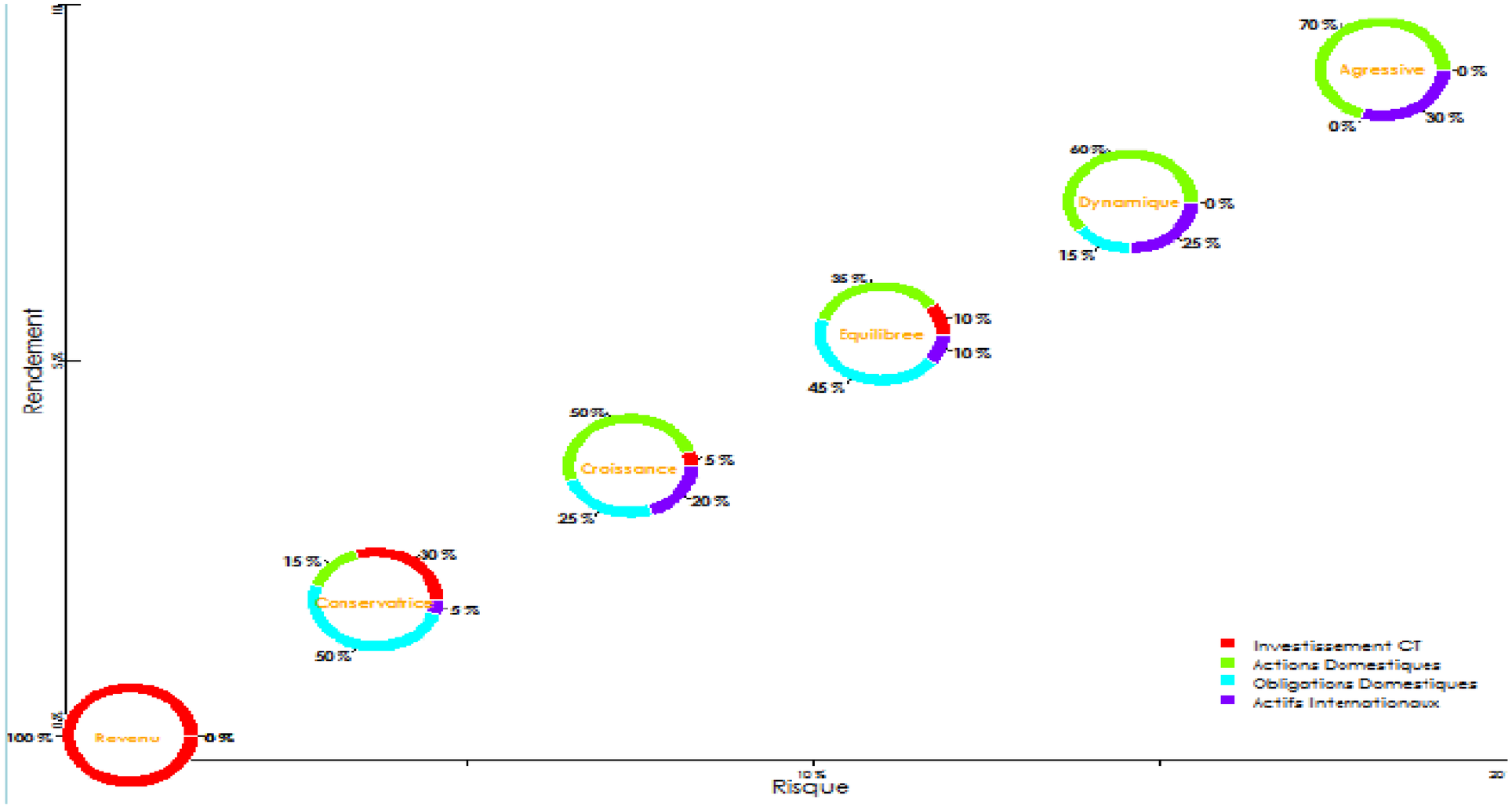
Graphiques Fourfold



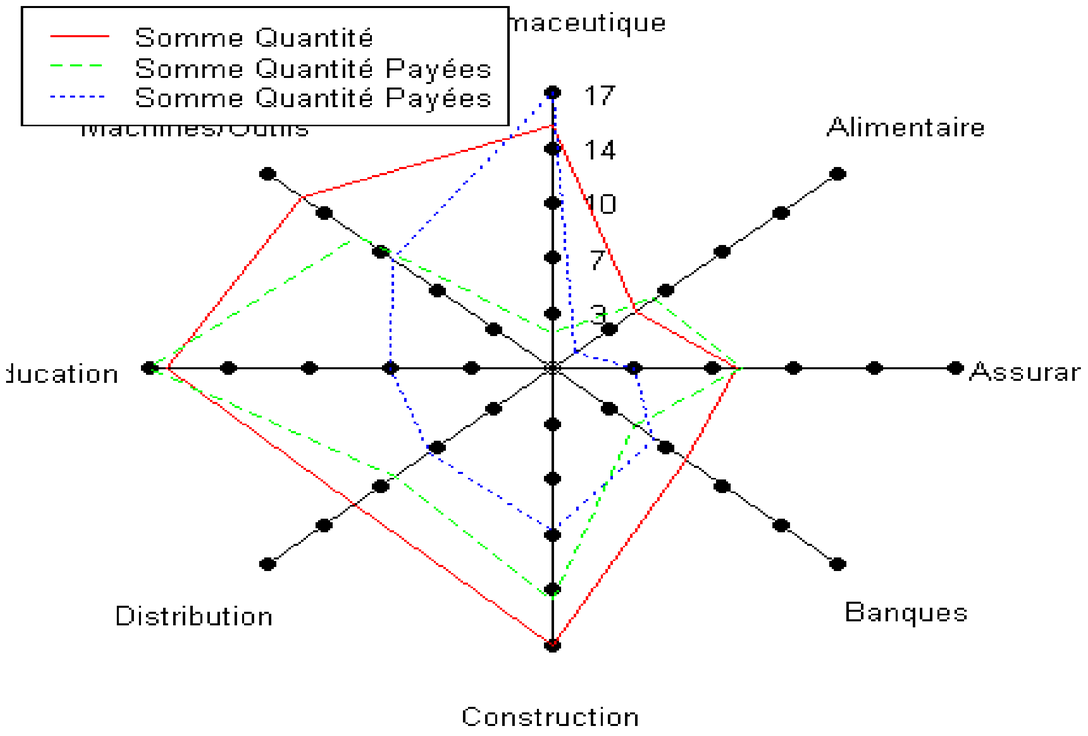
Graphiques d’agrément

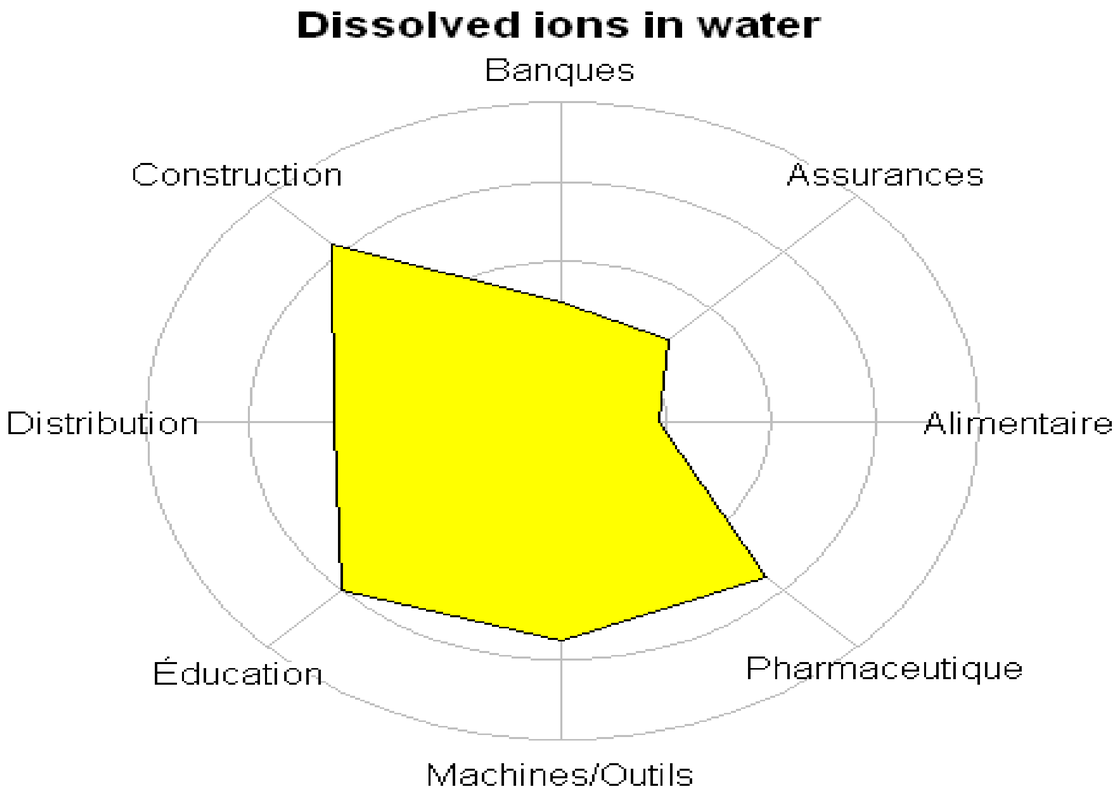


Graphiques en secteurs dynamiques

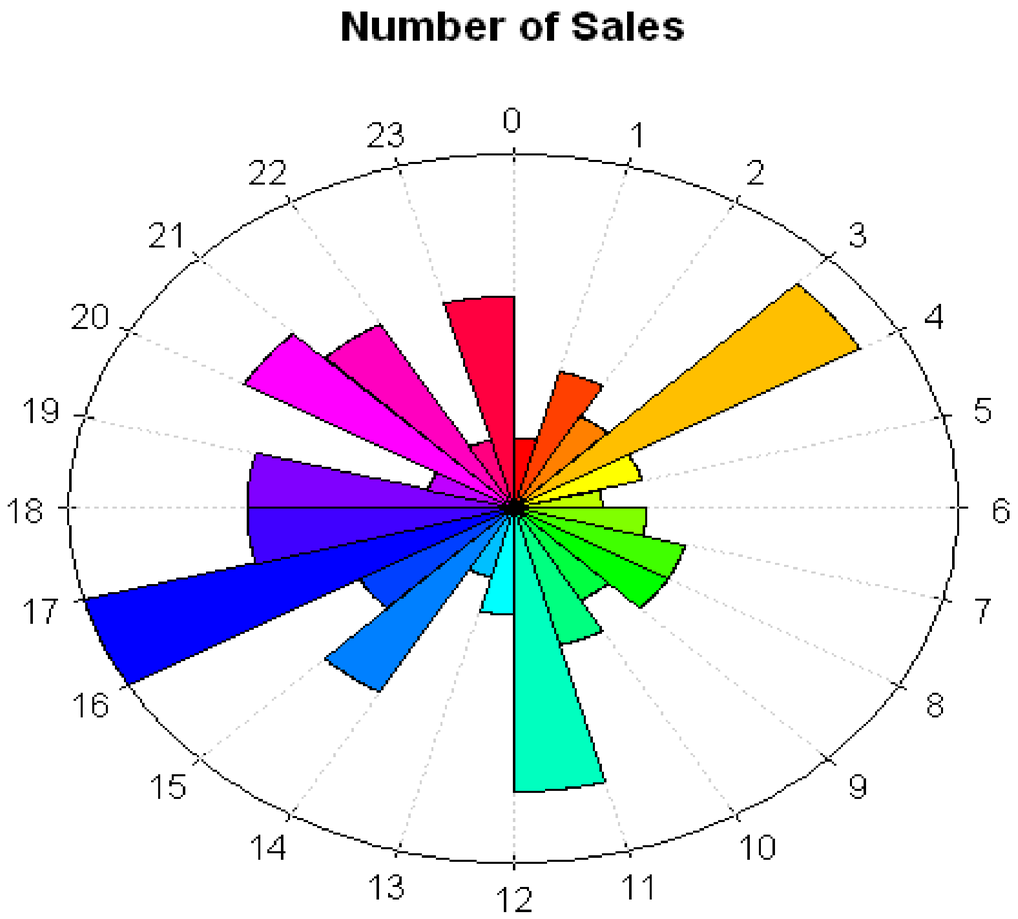


Graphiques en radars



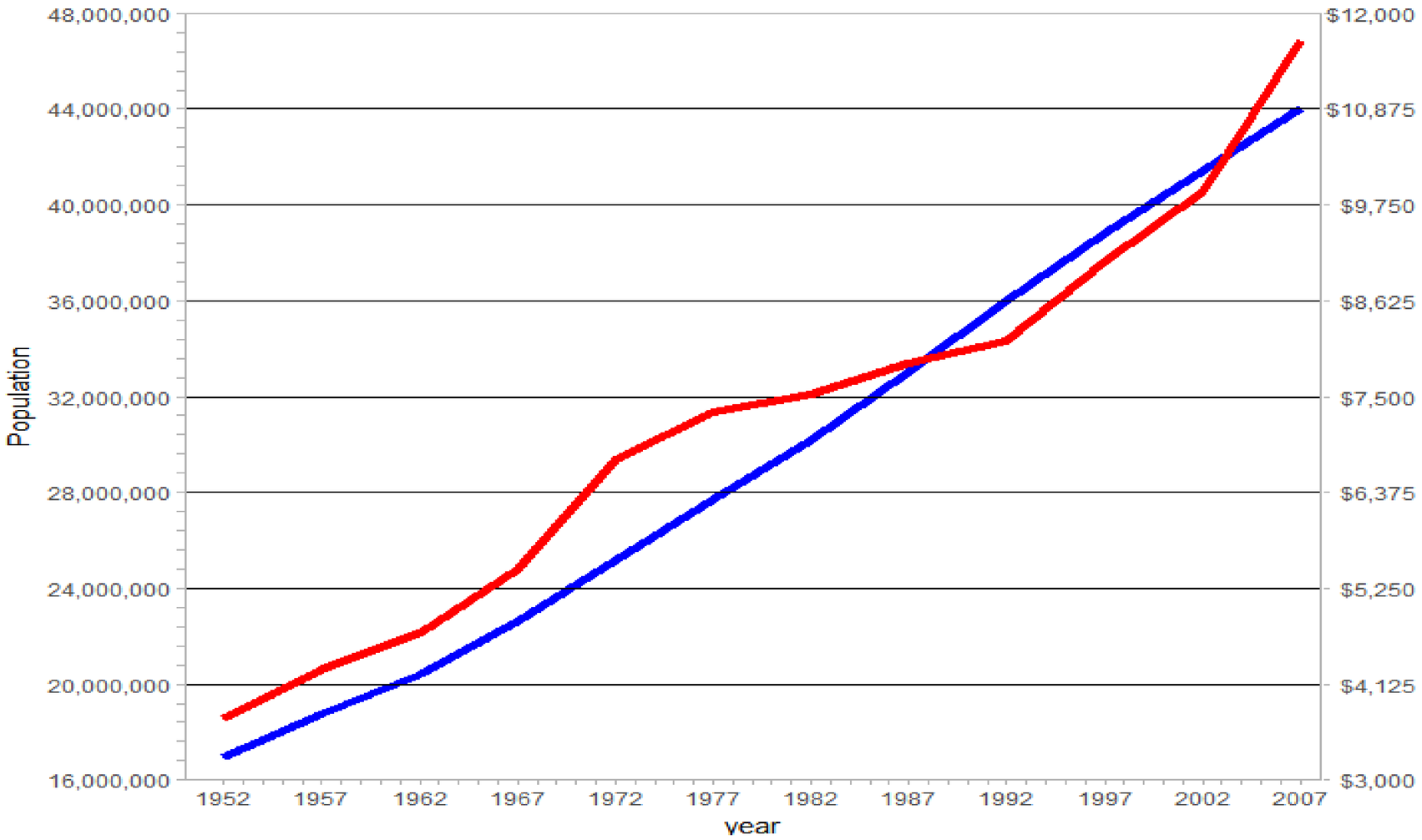


Graphiques radials (rose des vents)

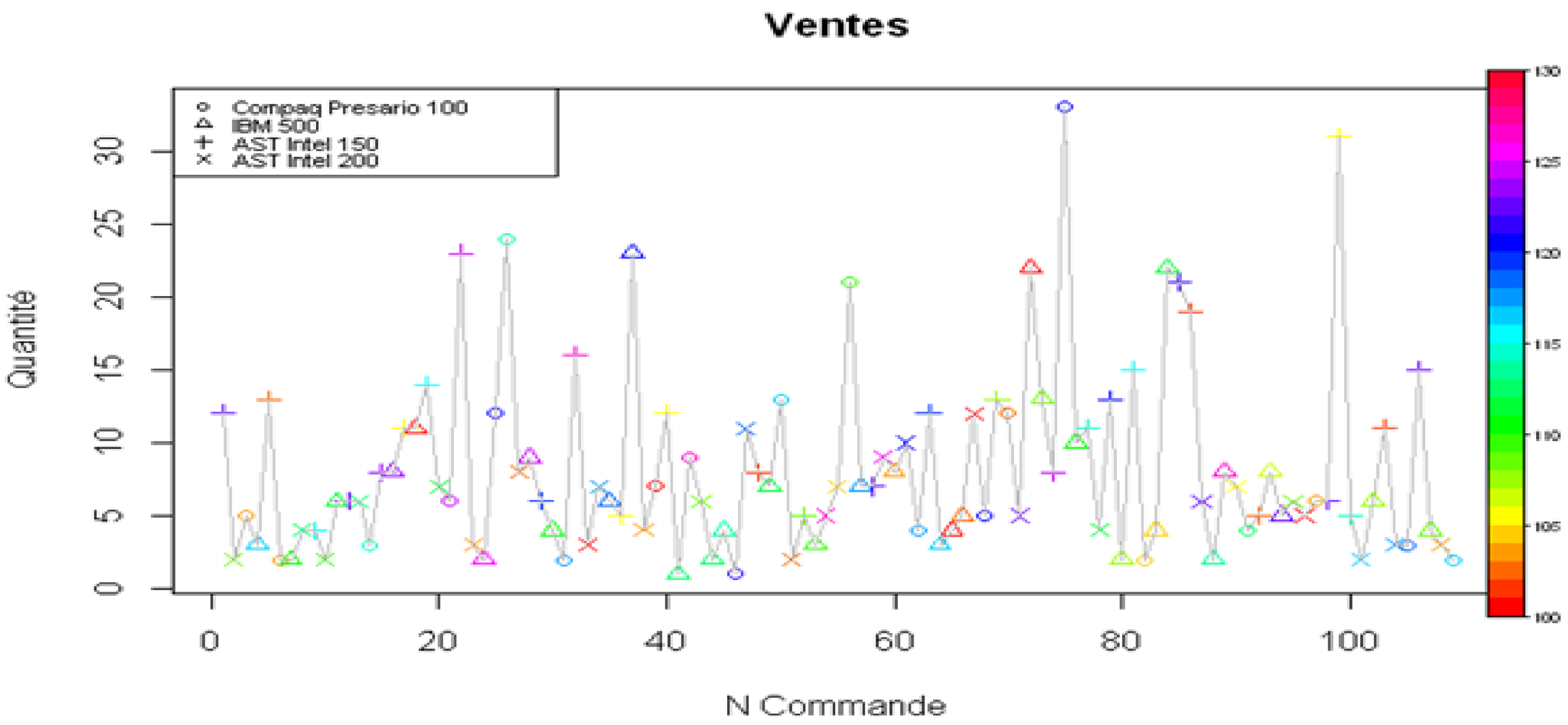


Graphiques en courbes et droites

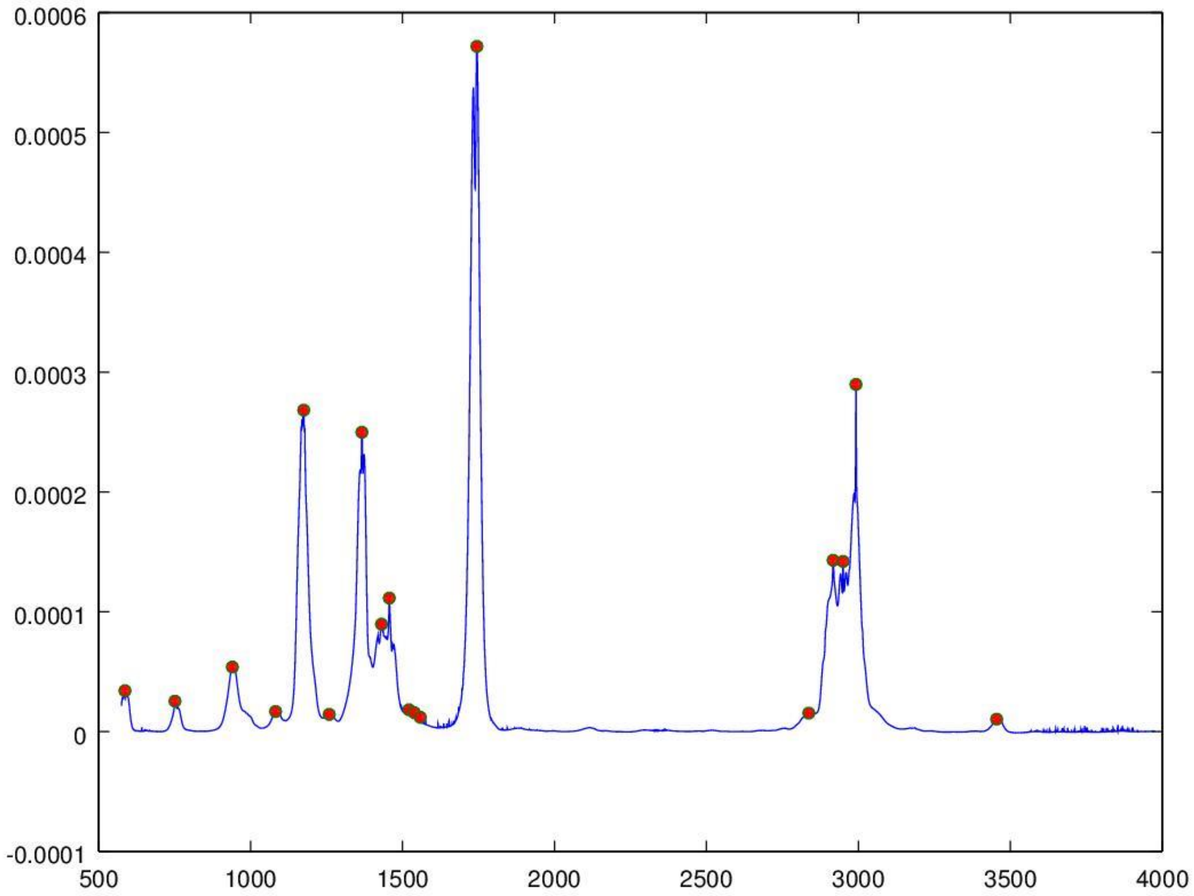
Graphiques X-Y à lignes



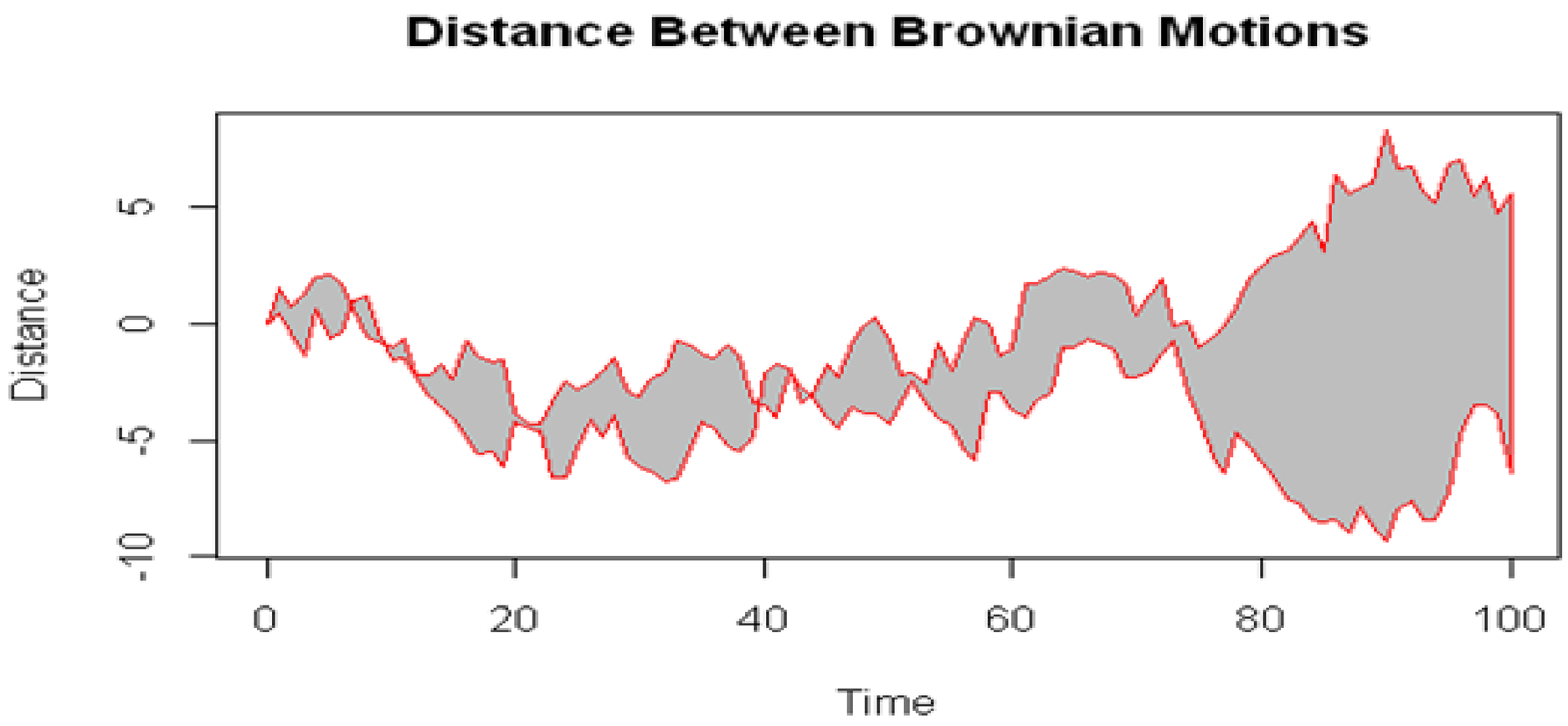
Graphiques combinés lignes et points



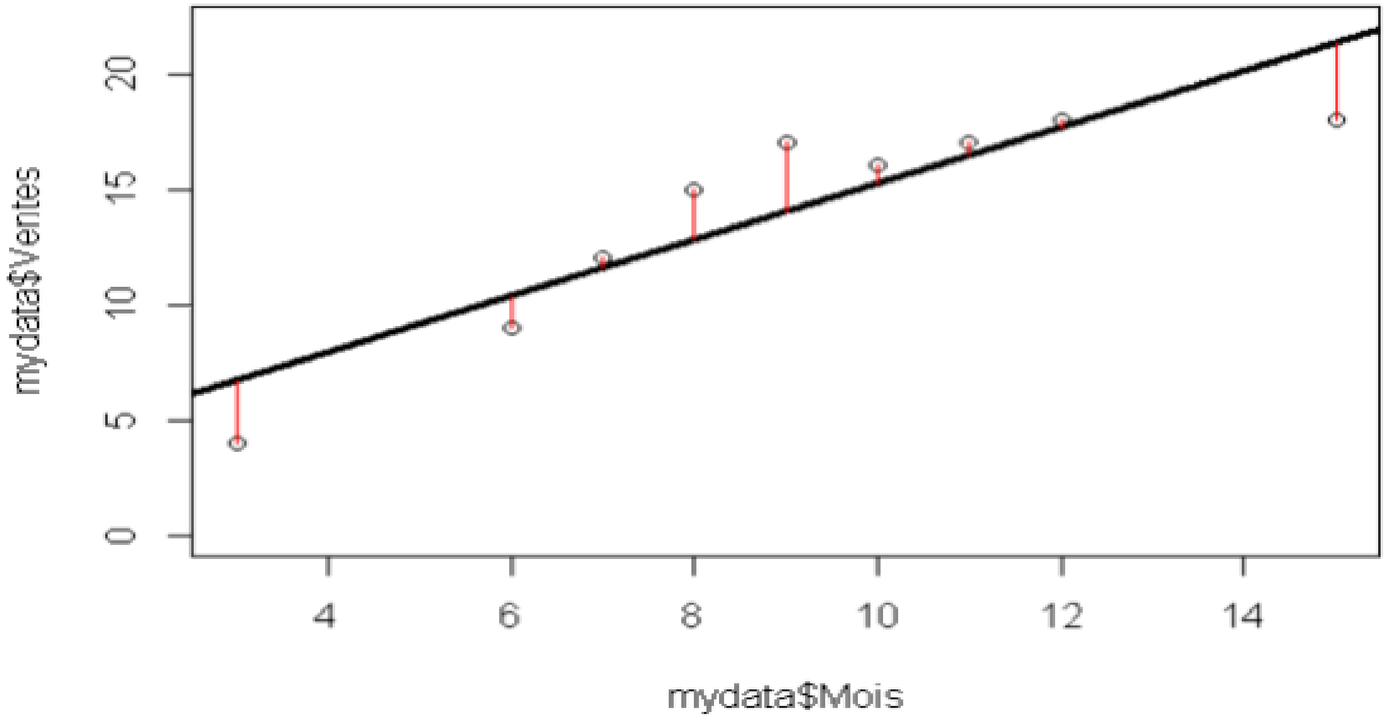
Graphiques de fréquences (FFT)

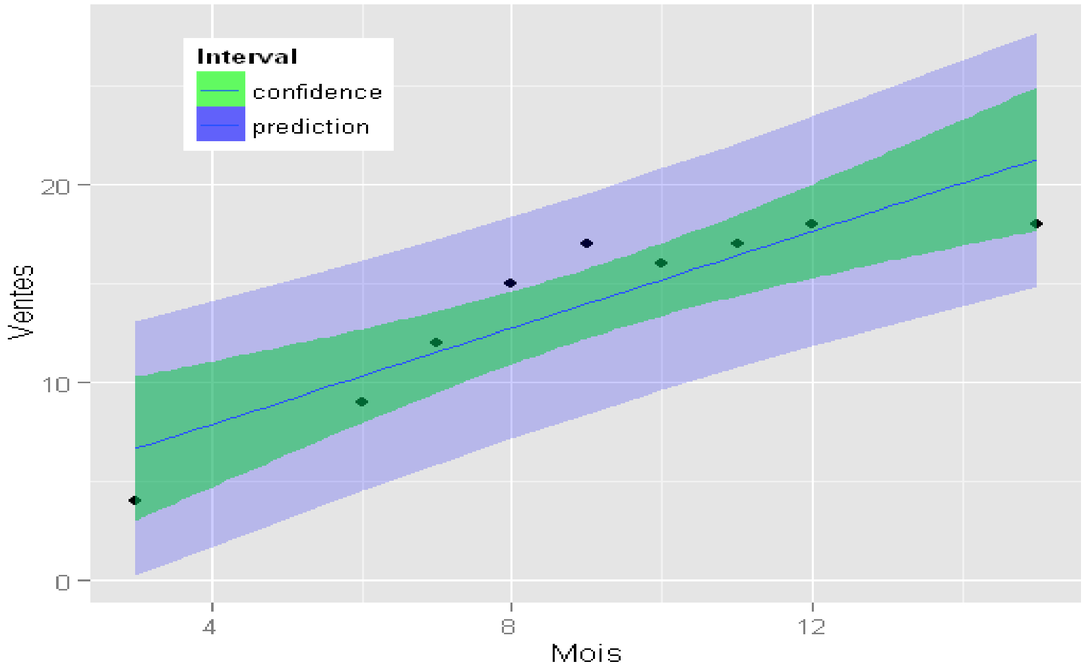


Graphiques en ligne avec polygone

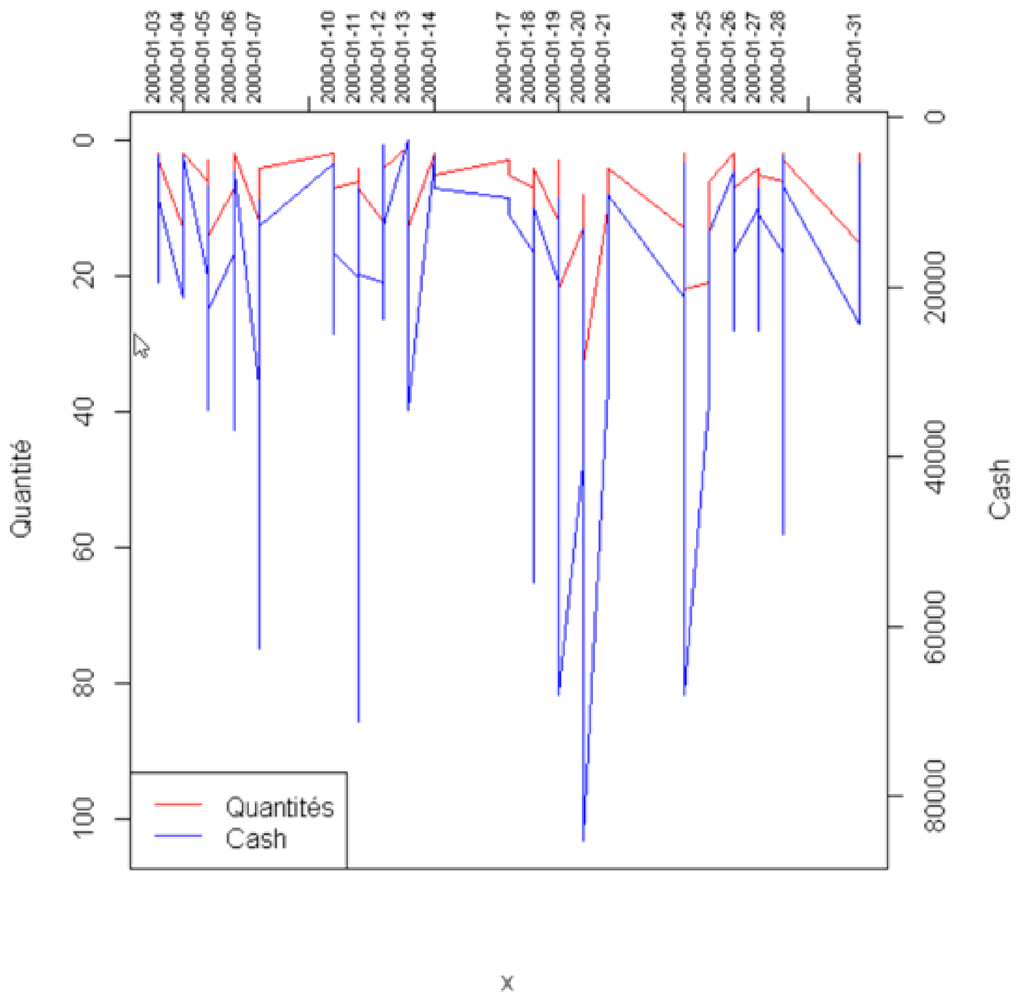


Courbes de tendance : intervalles de confiance et de prediction

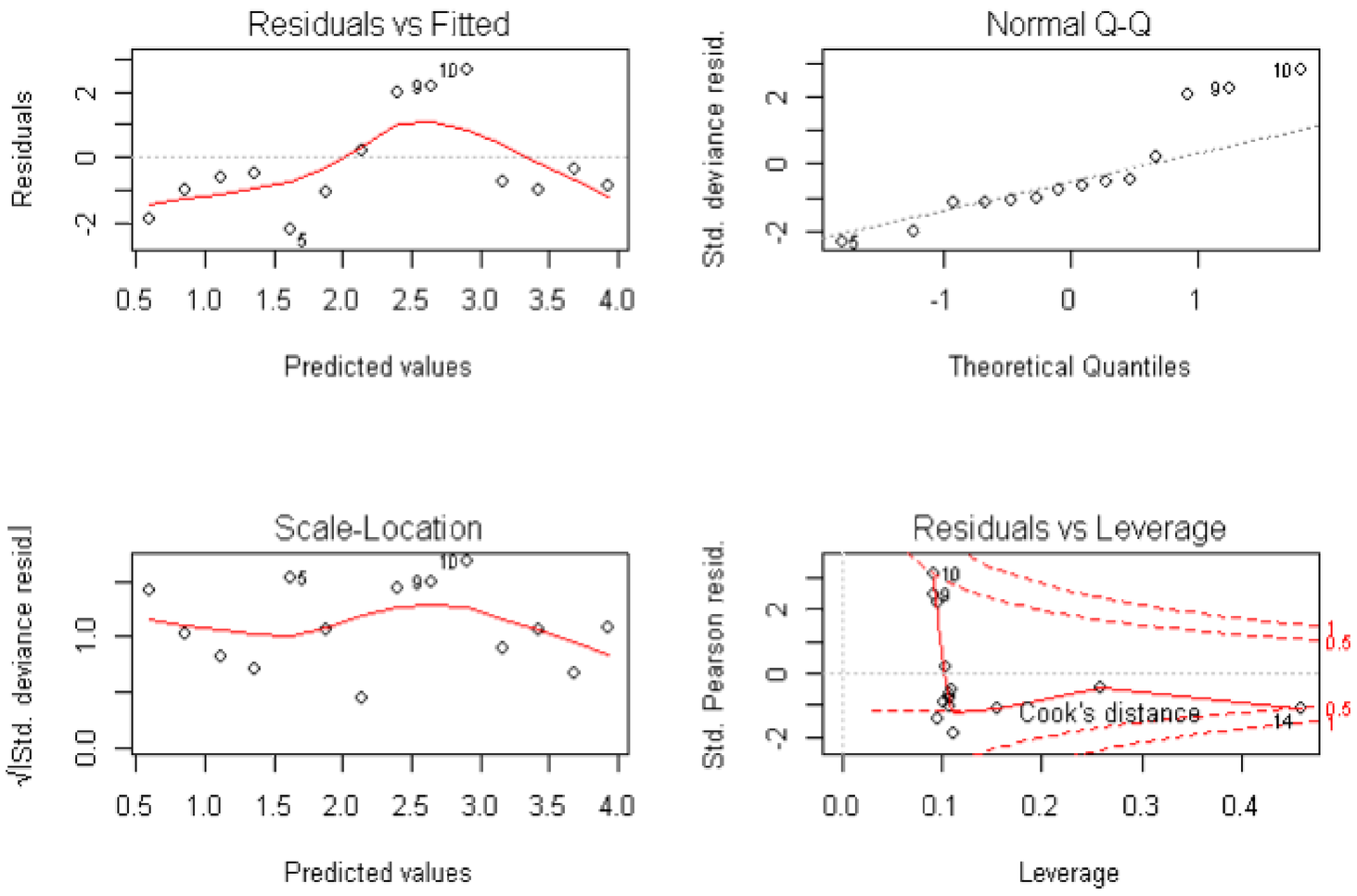




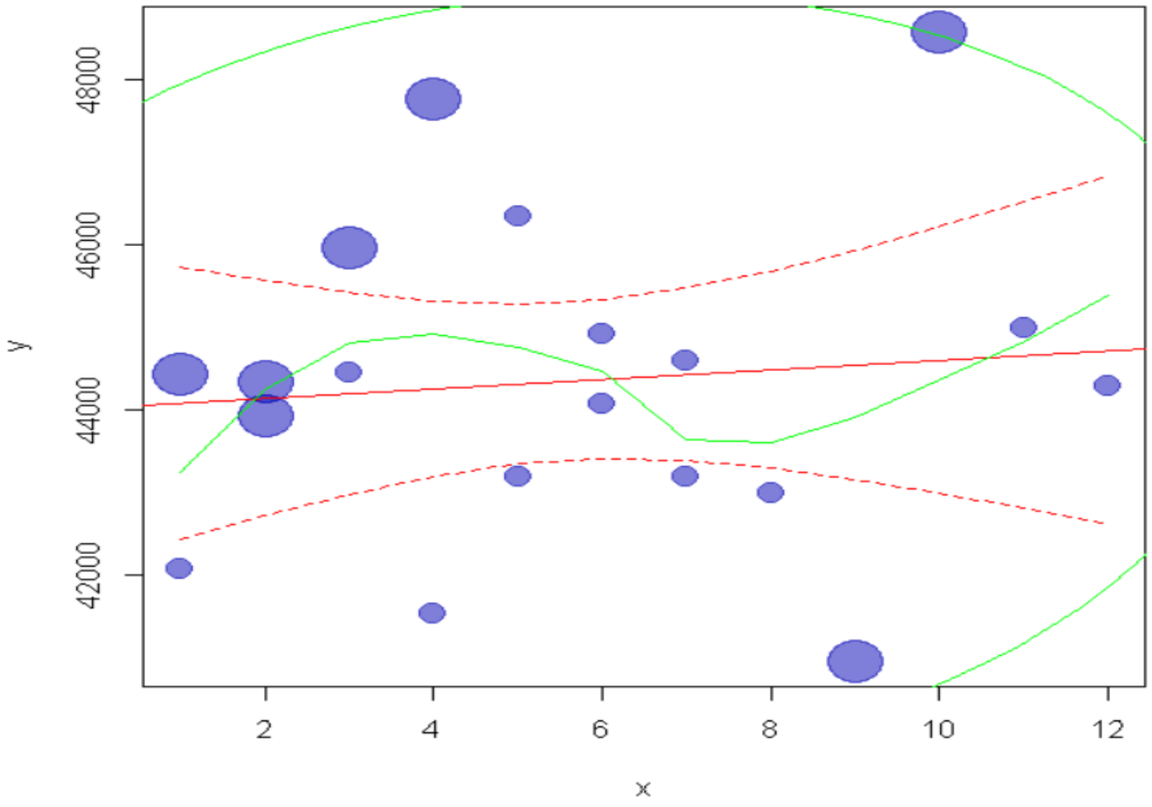
Graphiques à axes multiples



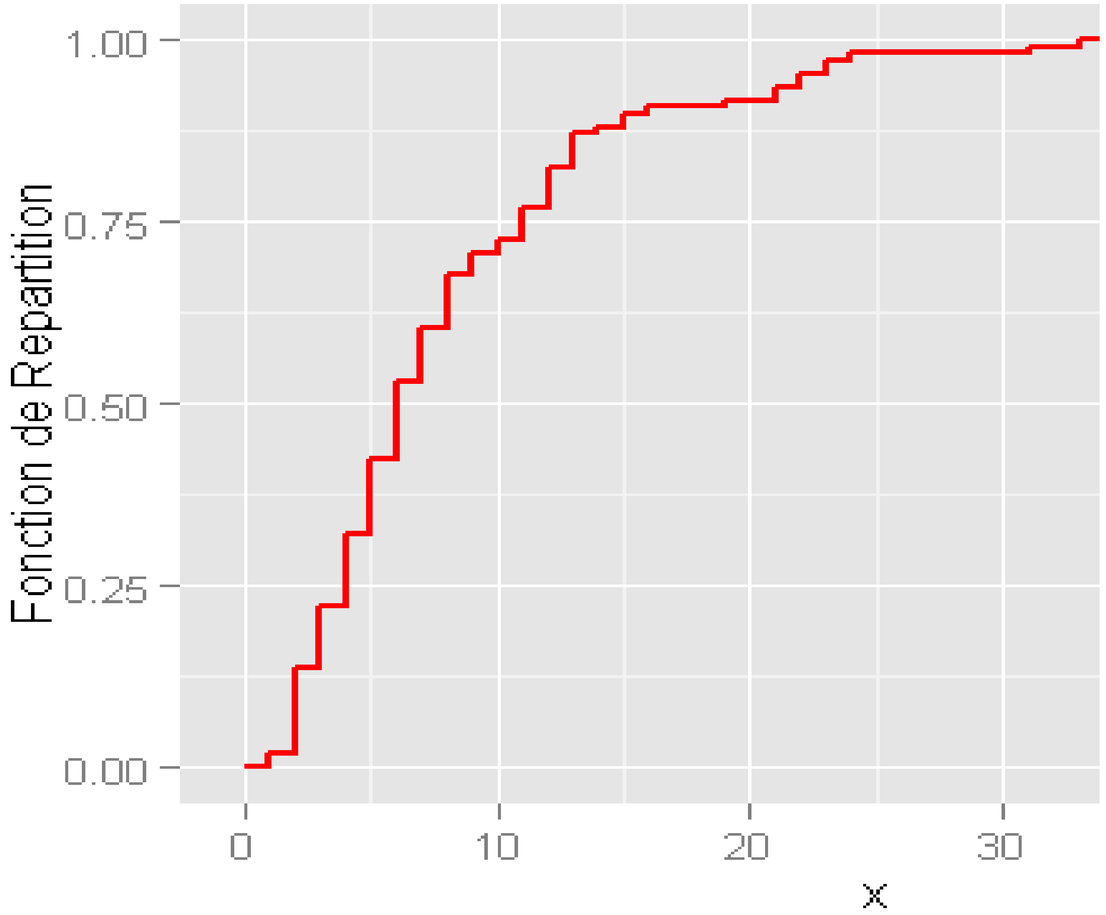
Graphiques de diagnostique de regressions linéaires



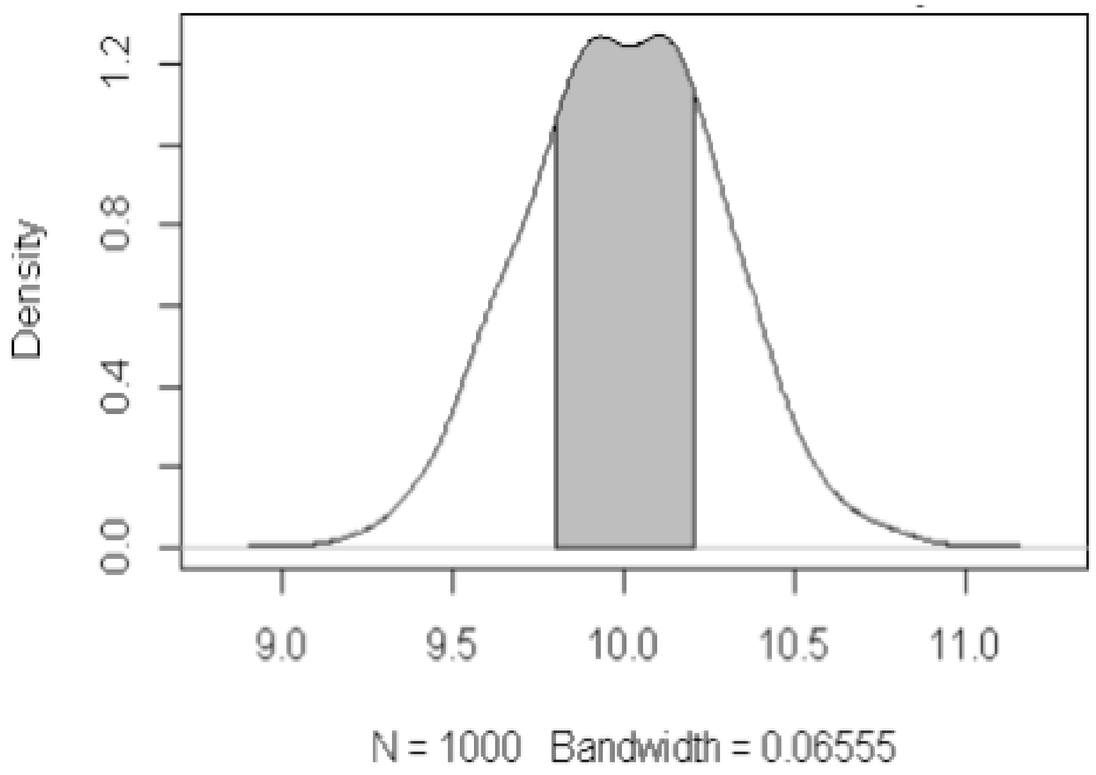
Graphiques de régression LOESS

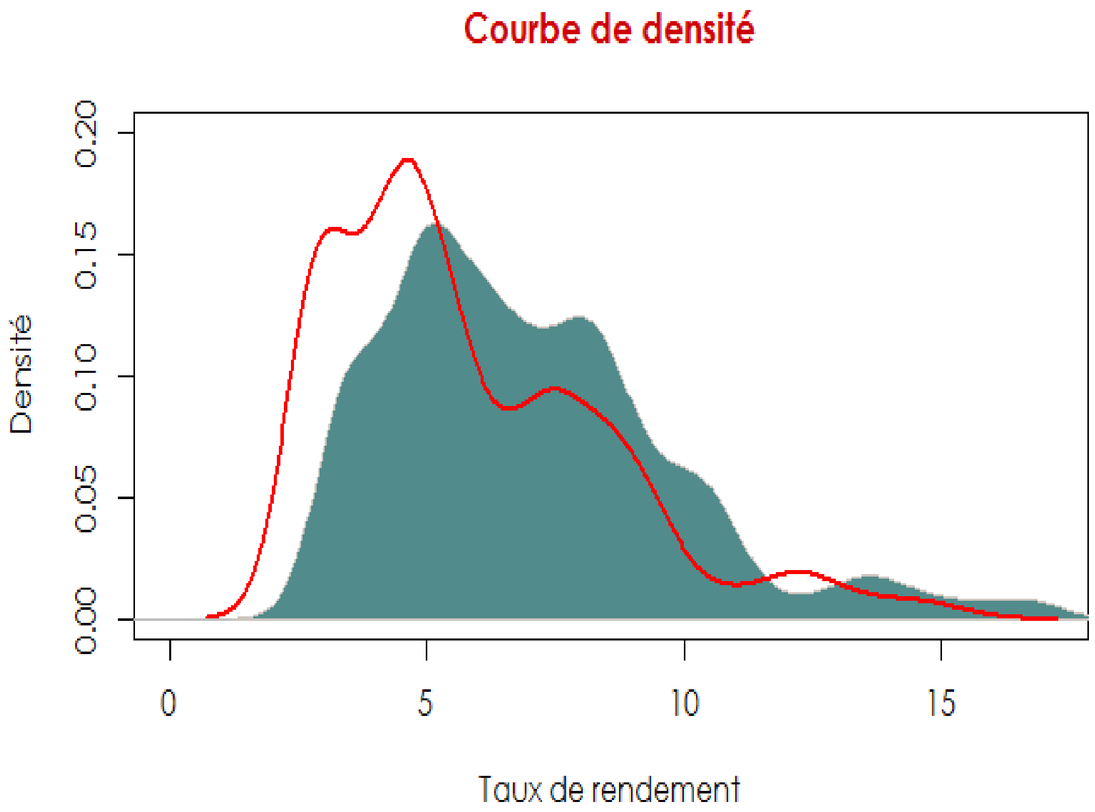


Graphiques en escalier : fonction de répartition

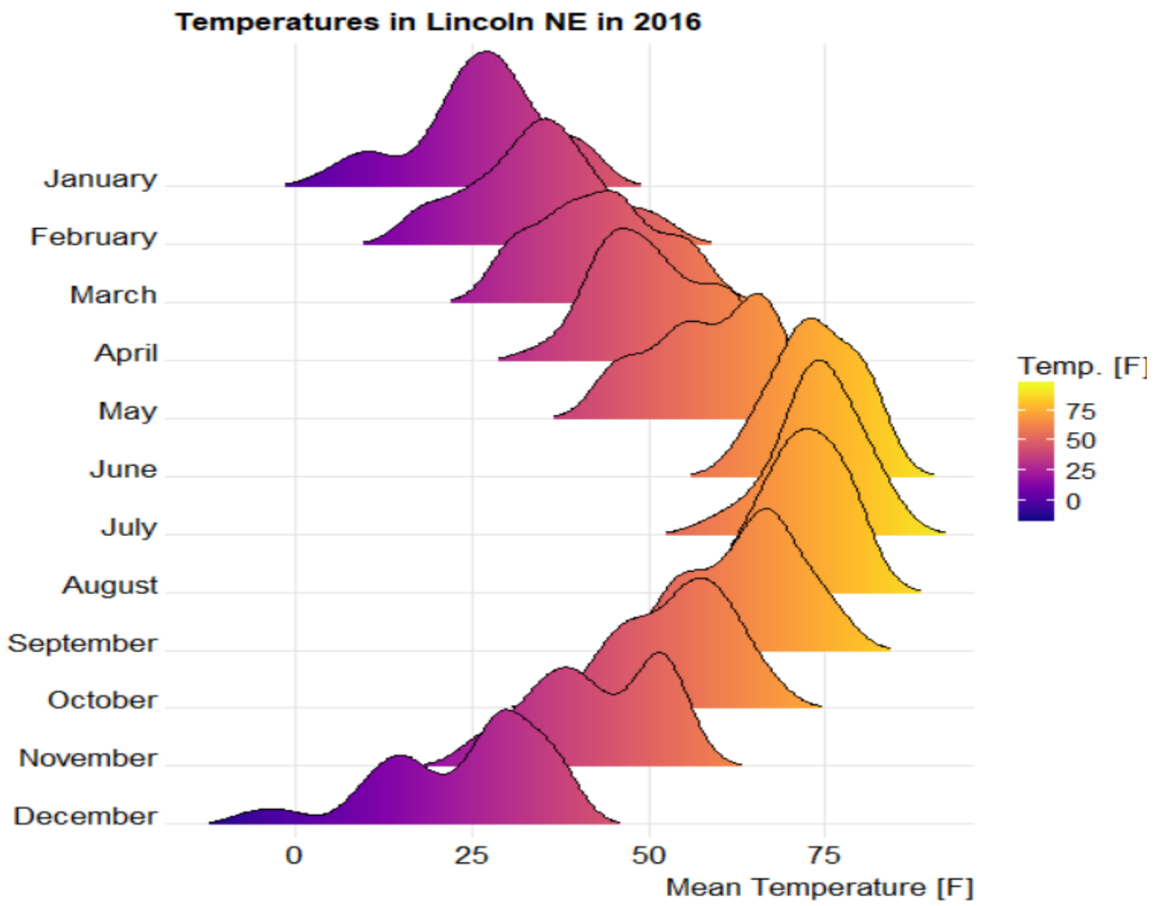


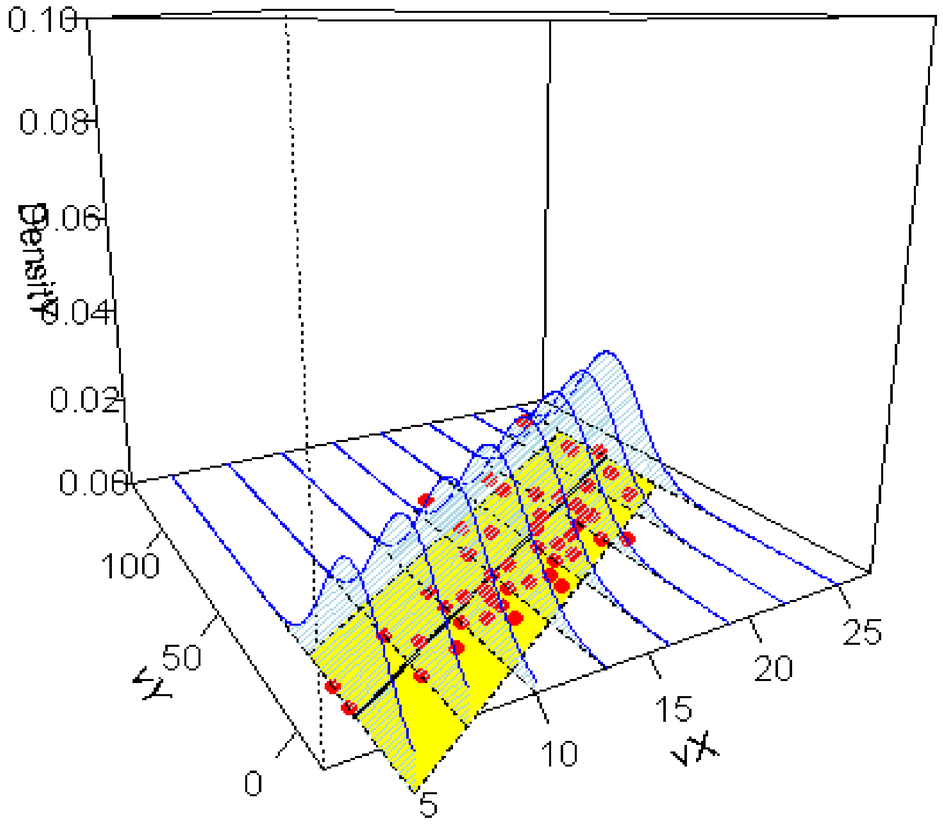
Courbes et intervalles de densités





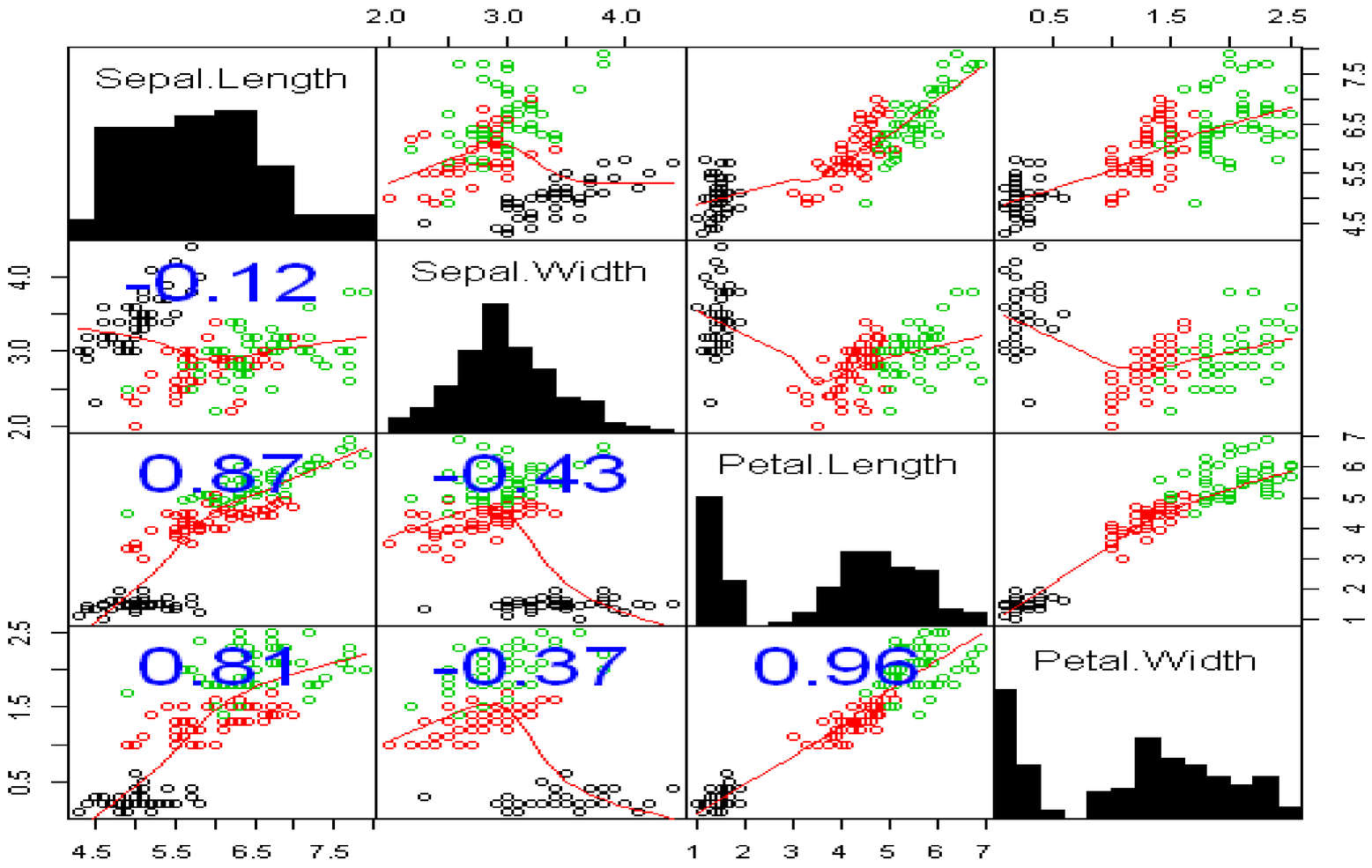
Joy plots


Temperatures in Lincoln NE in 2016
January
February
March
April
May
June
July
August
September
October
November
December
0
25
50
75
Mean Temperature [F]
Temp. [F]
75
50
25
0

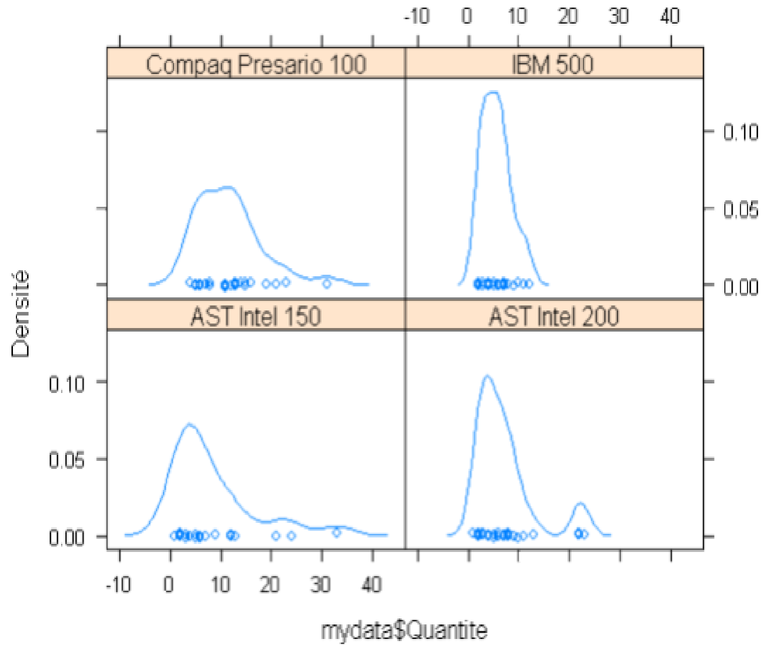

0.10
0.08
0.06
0.04
0.02
0.00
100
50
0
5
10
15
20
25

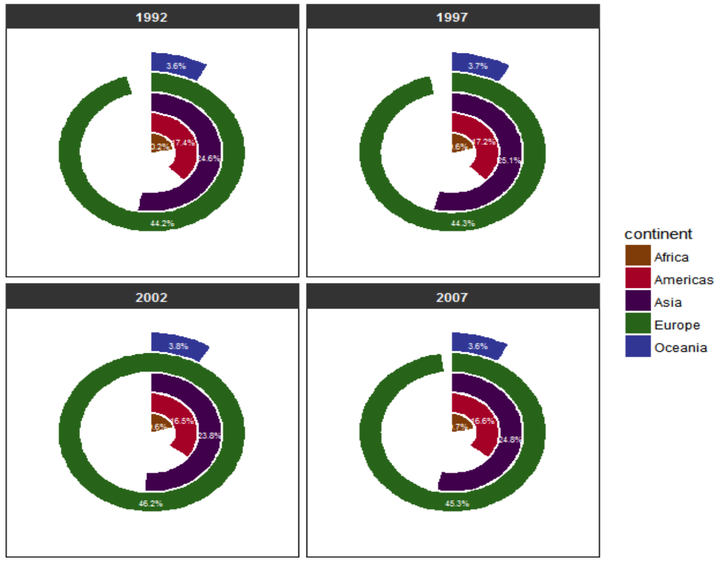
Graphiques avec marges, facettes ou en matrices

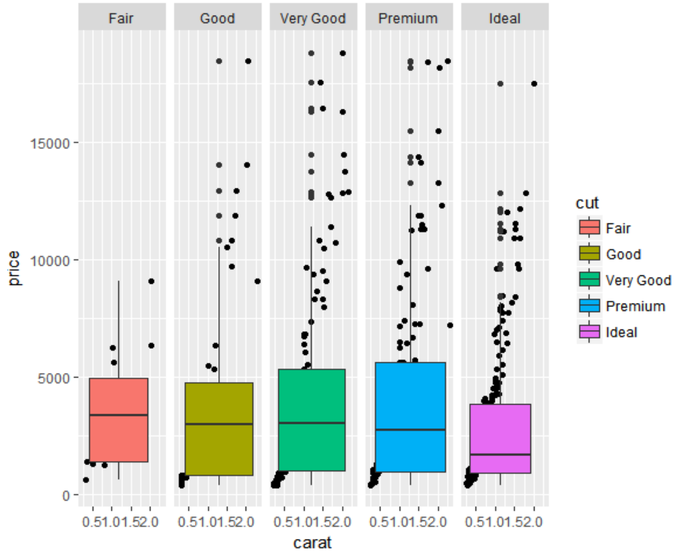
Draftsman's plot ou Matrix Scatterplot



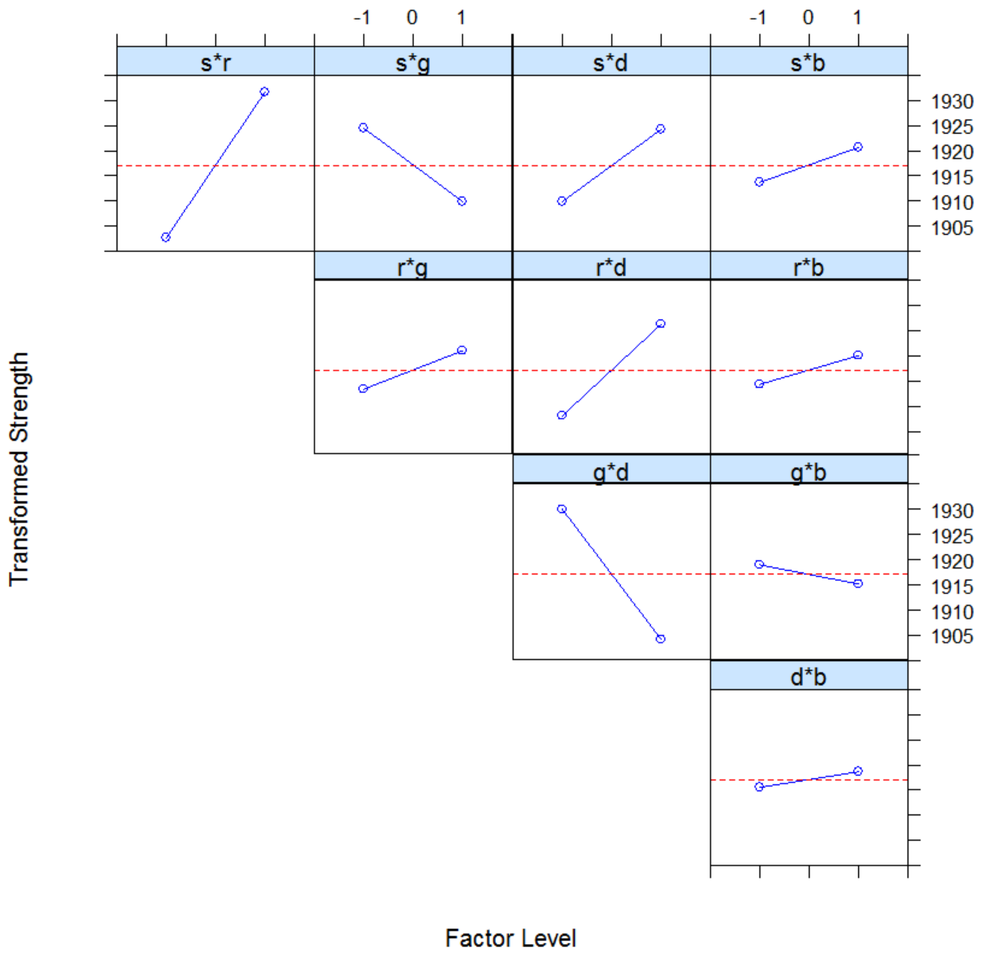
Graphiques à facettes

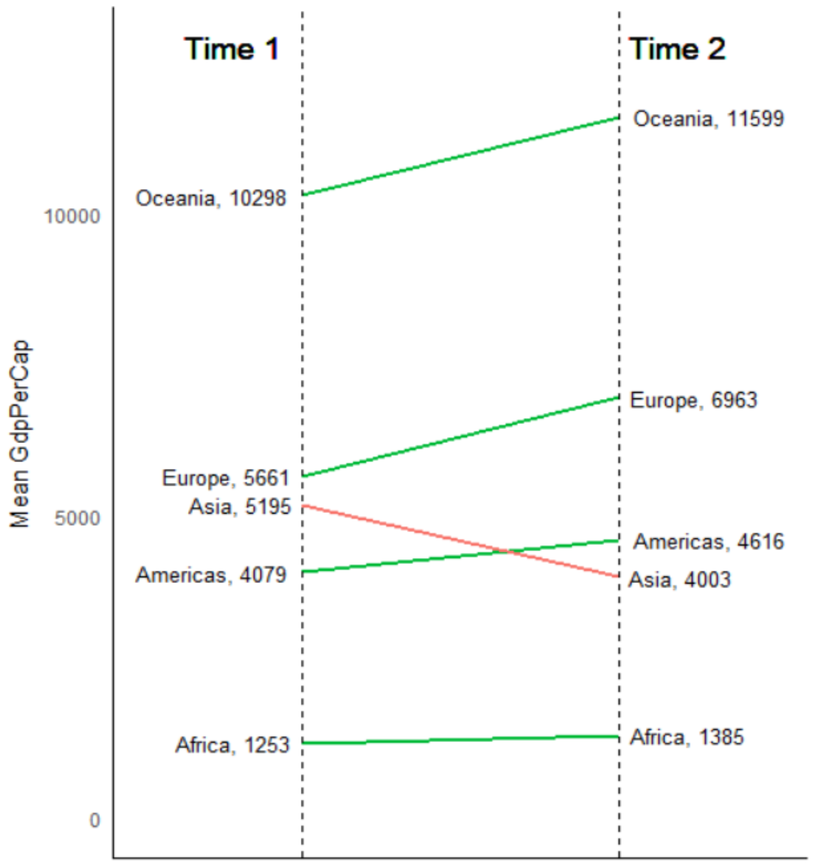




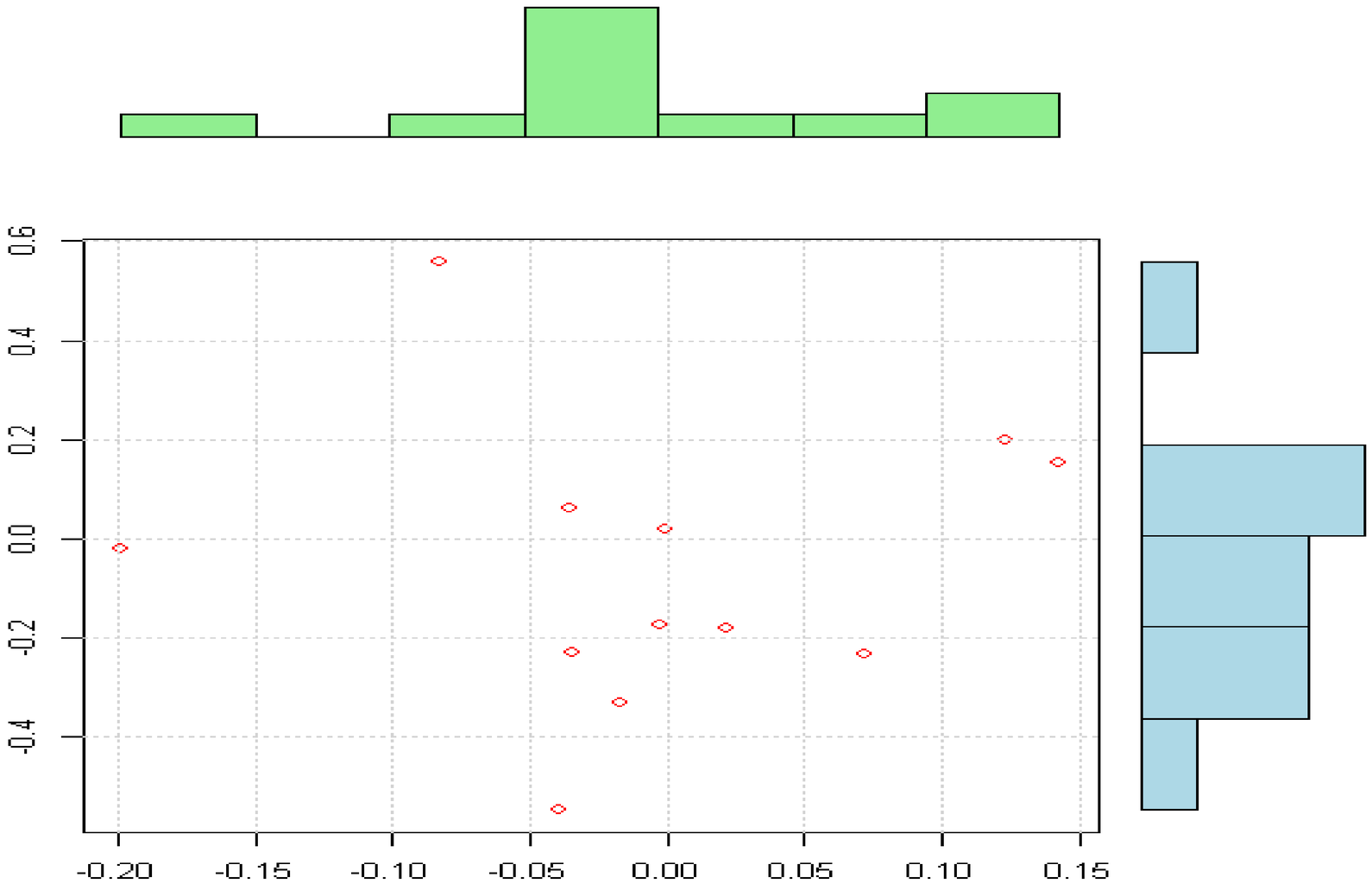


Graphiques d’interactions

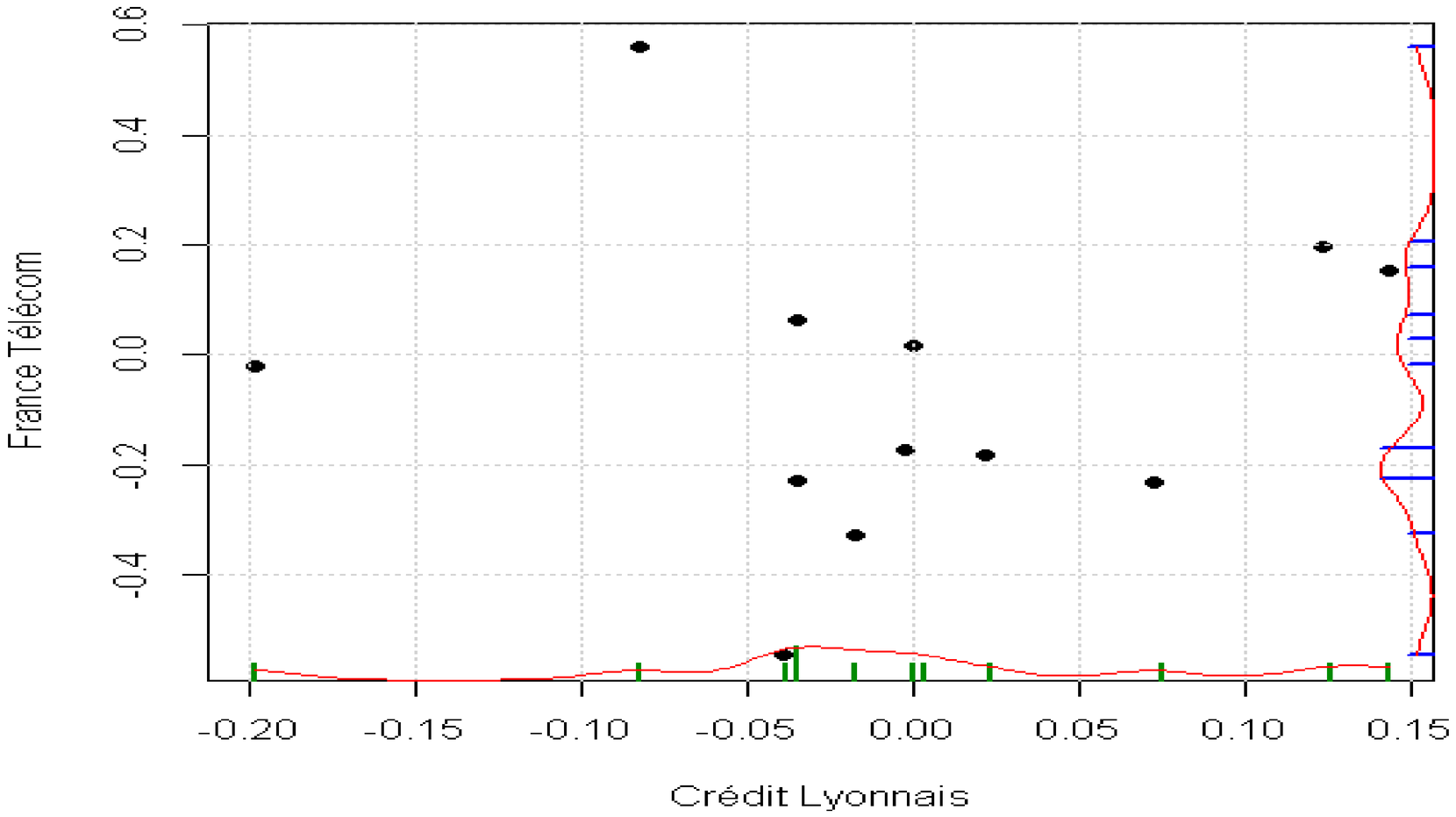




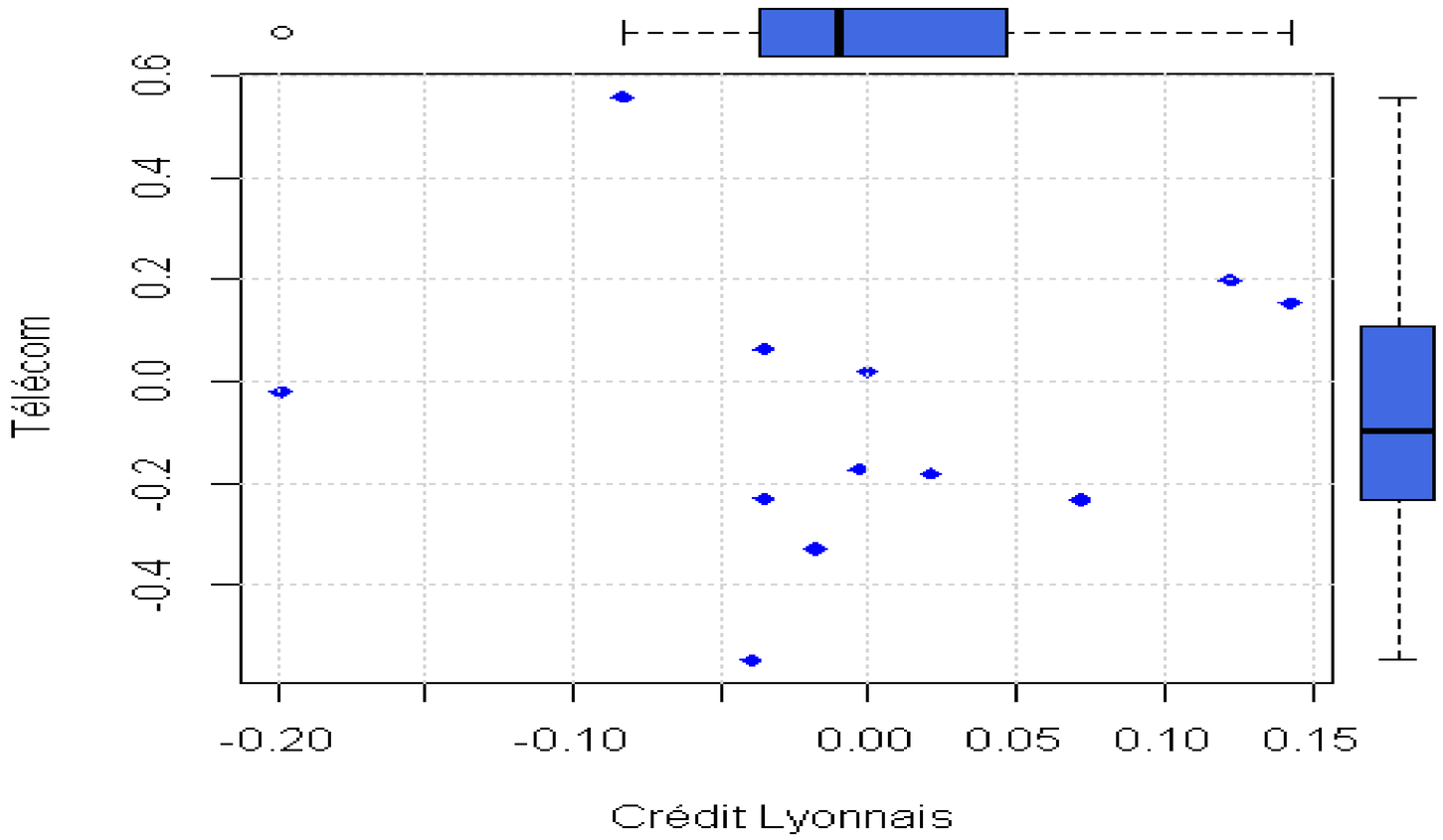
Graphiques à marges (avec histogramme)



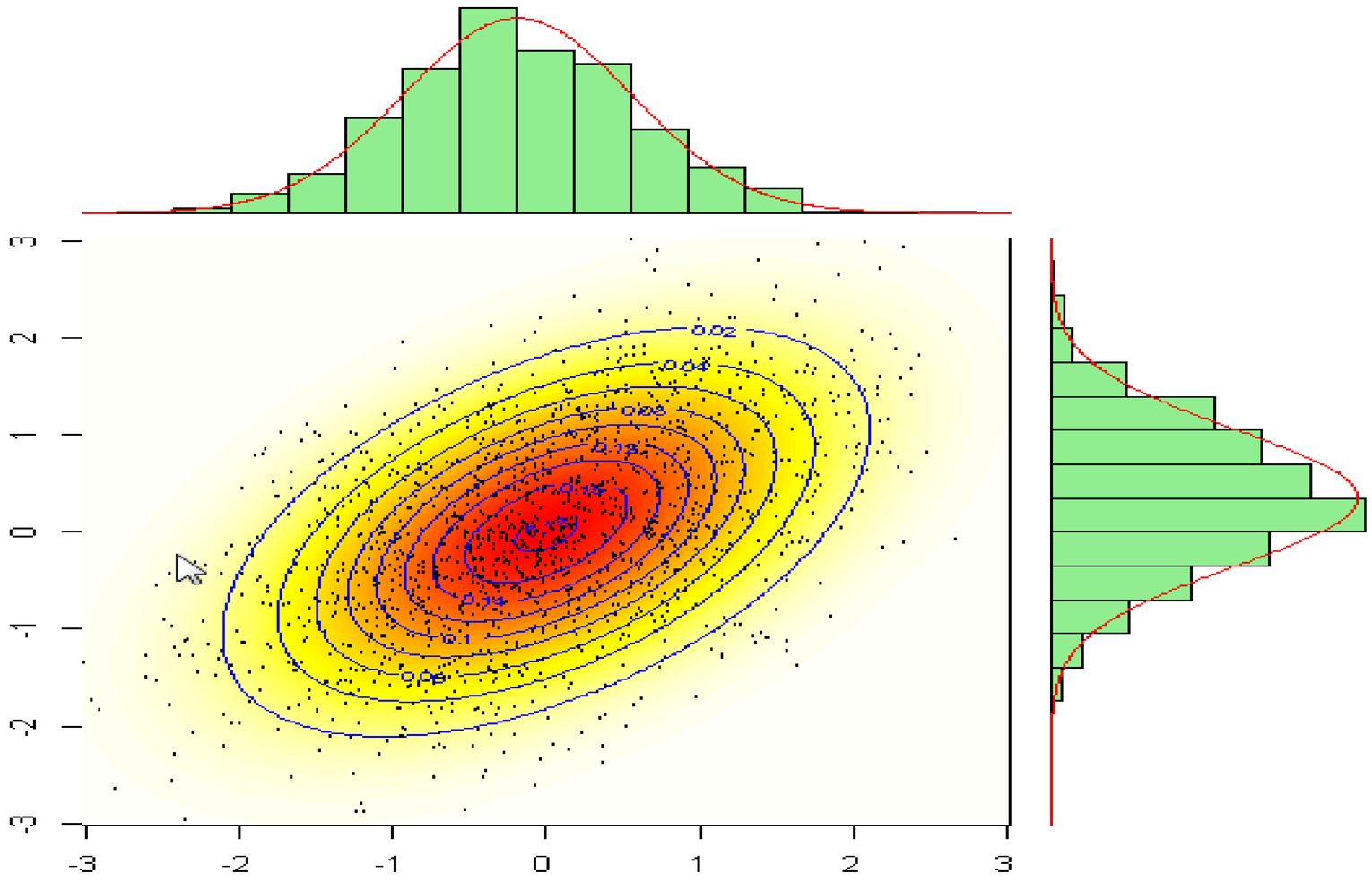
Autre variante : HistSpyke



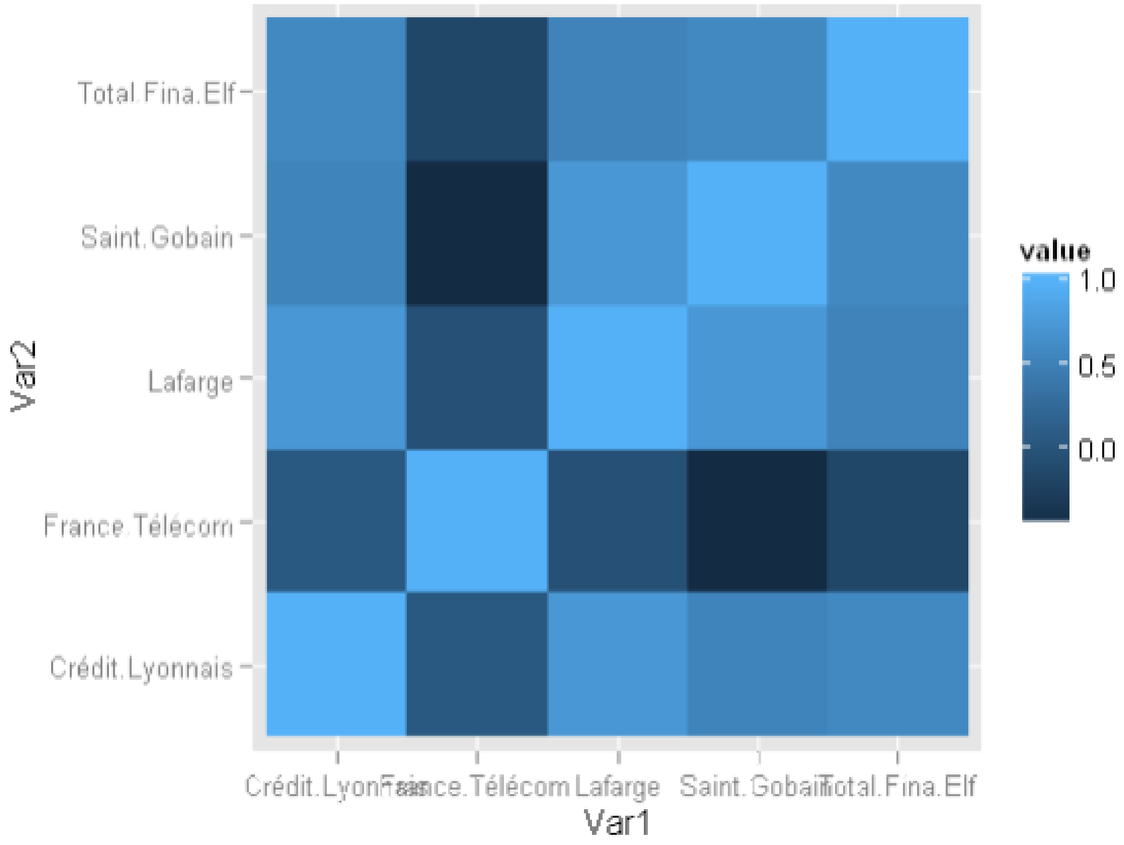
Graphiques à marges (avec BP)

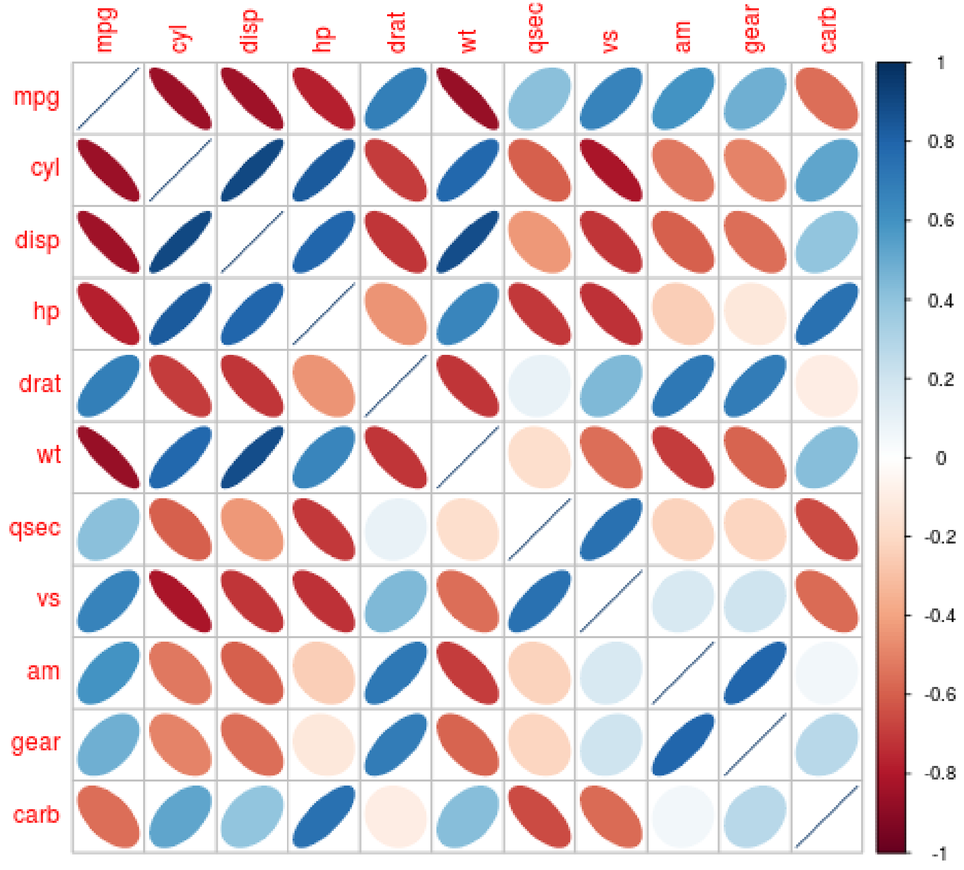


Ellipse de confiance avec histogrammes en marges



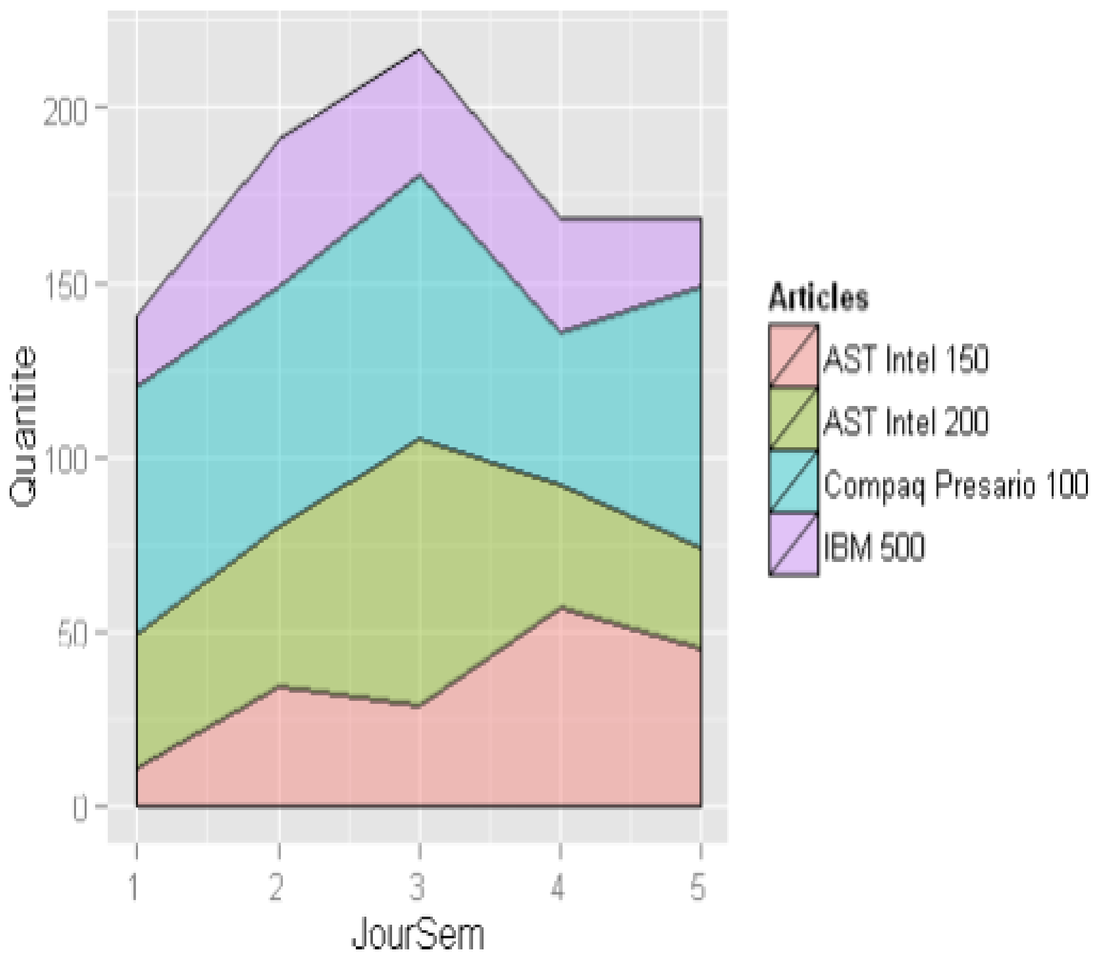
Corrélogrammes

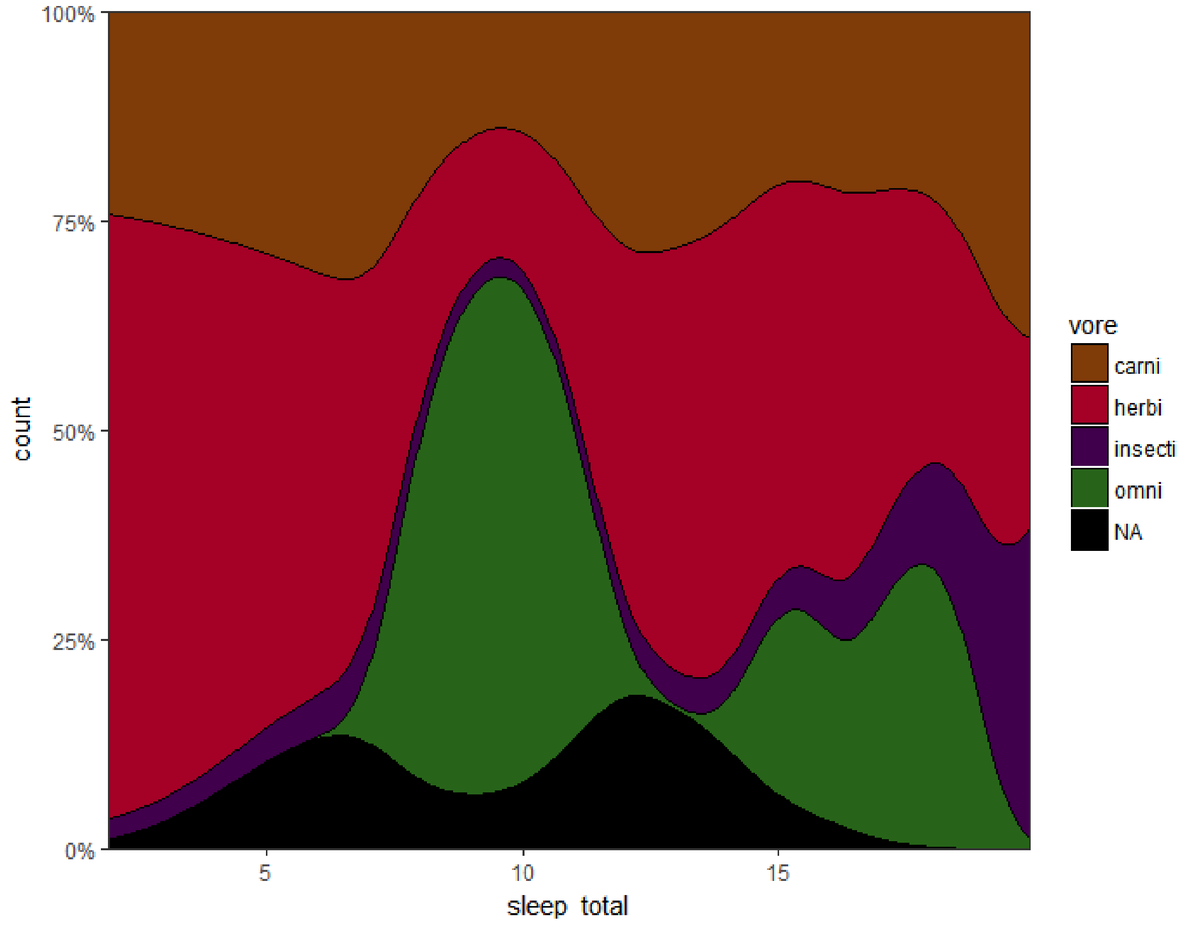




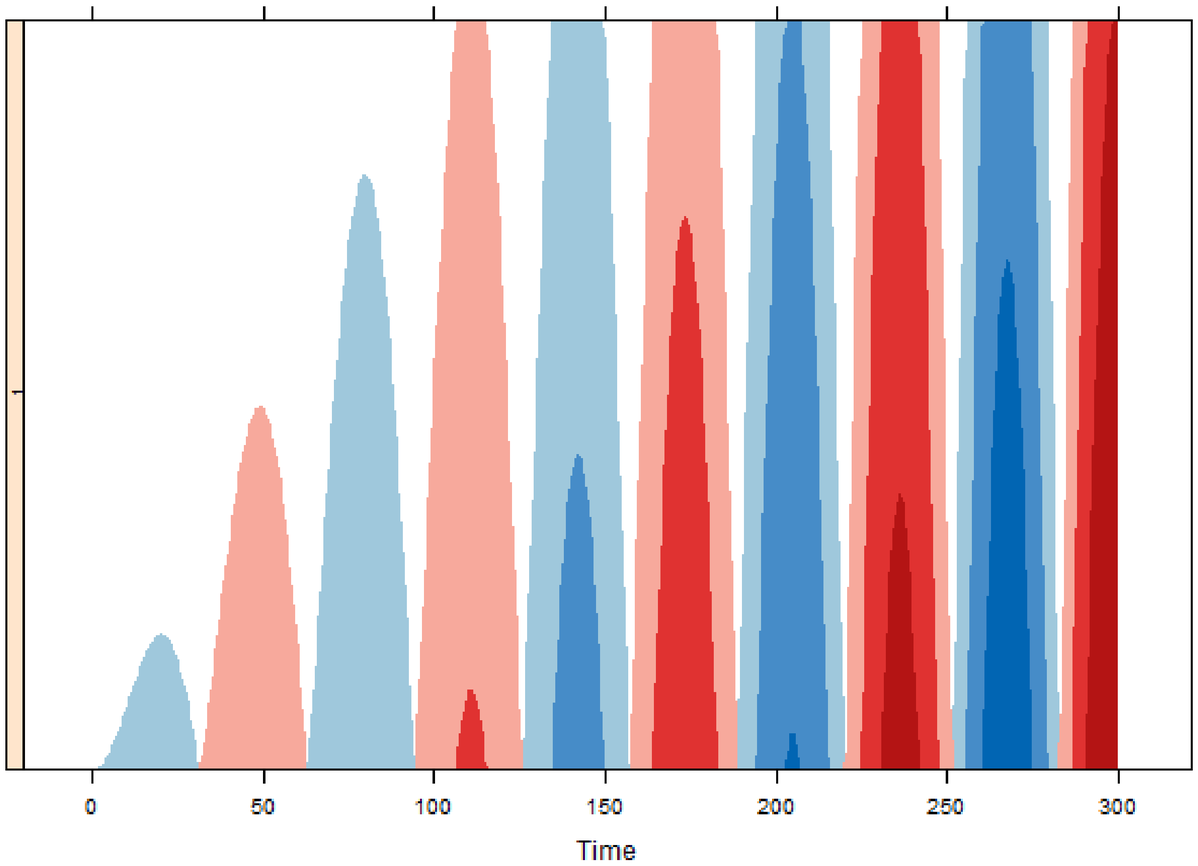
Graphiques en aires

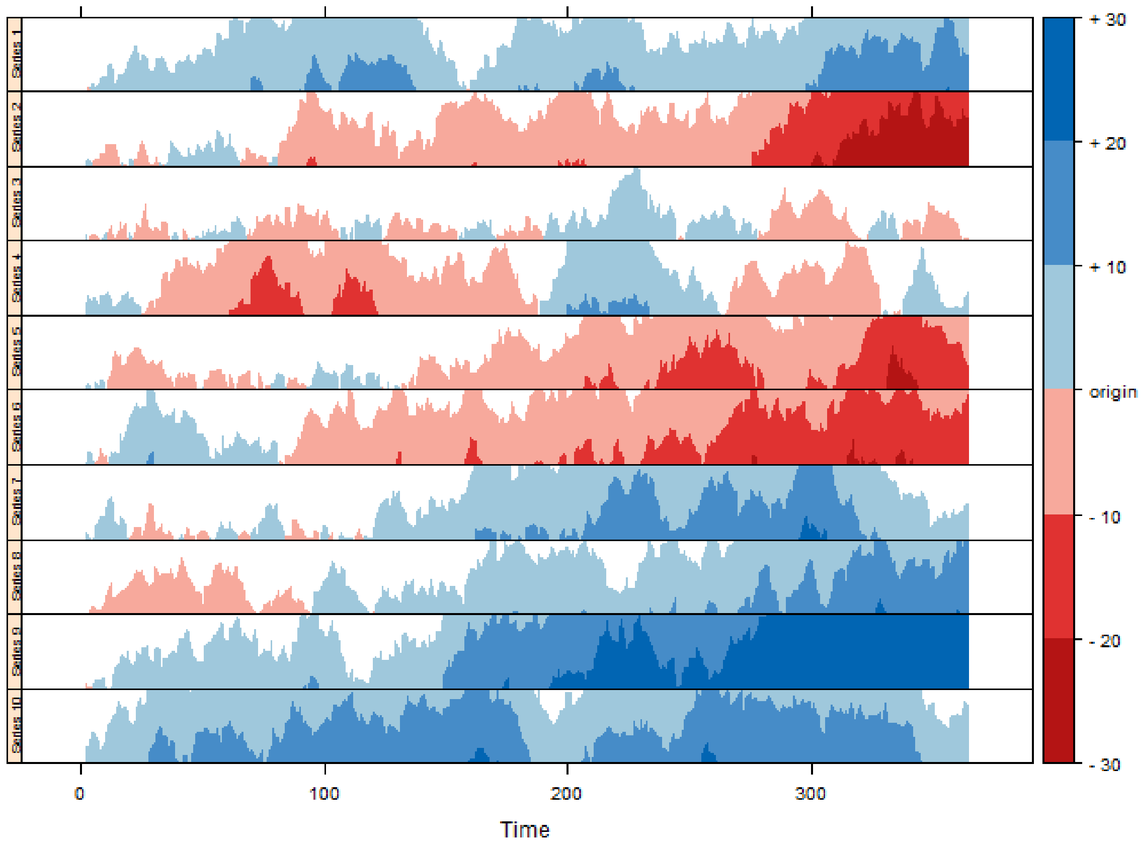
Graphiques en aires superposées



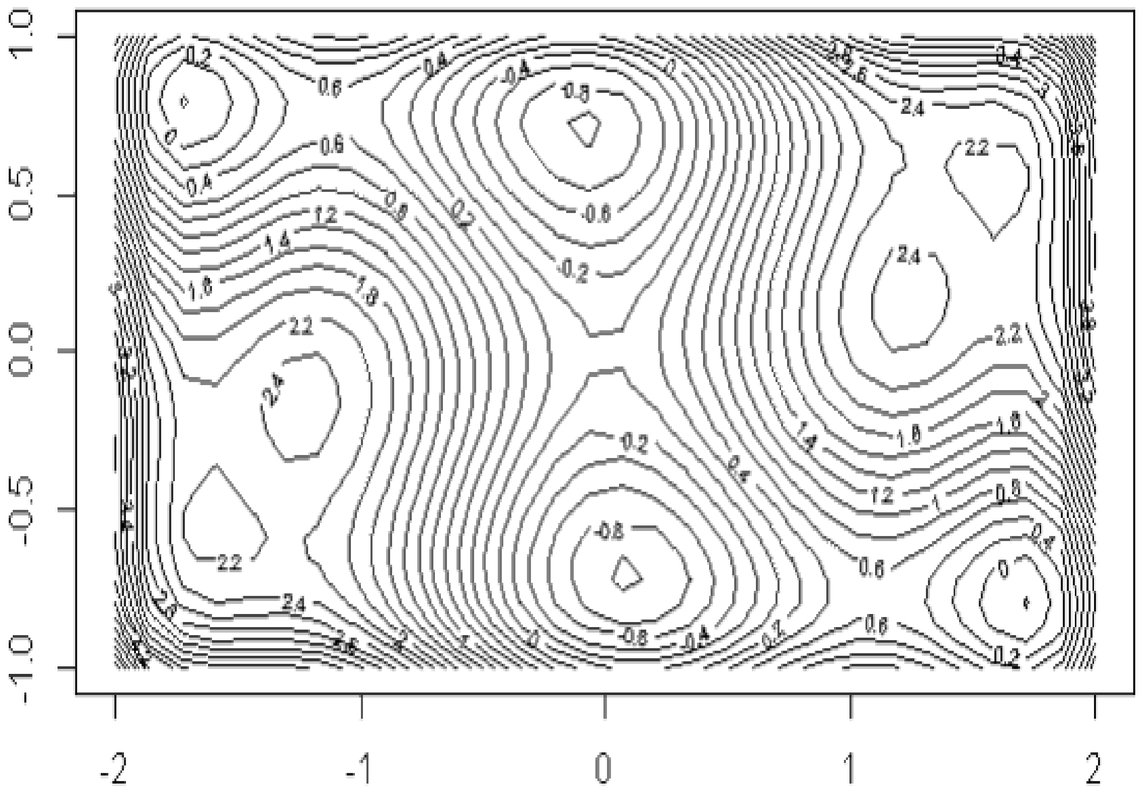


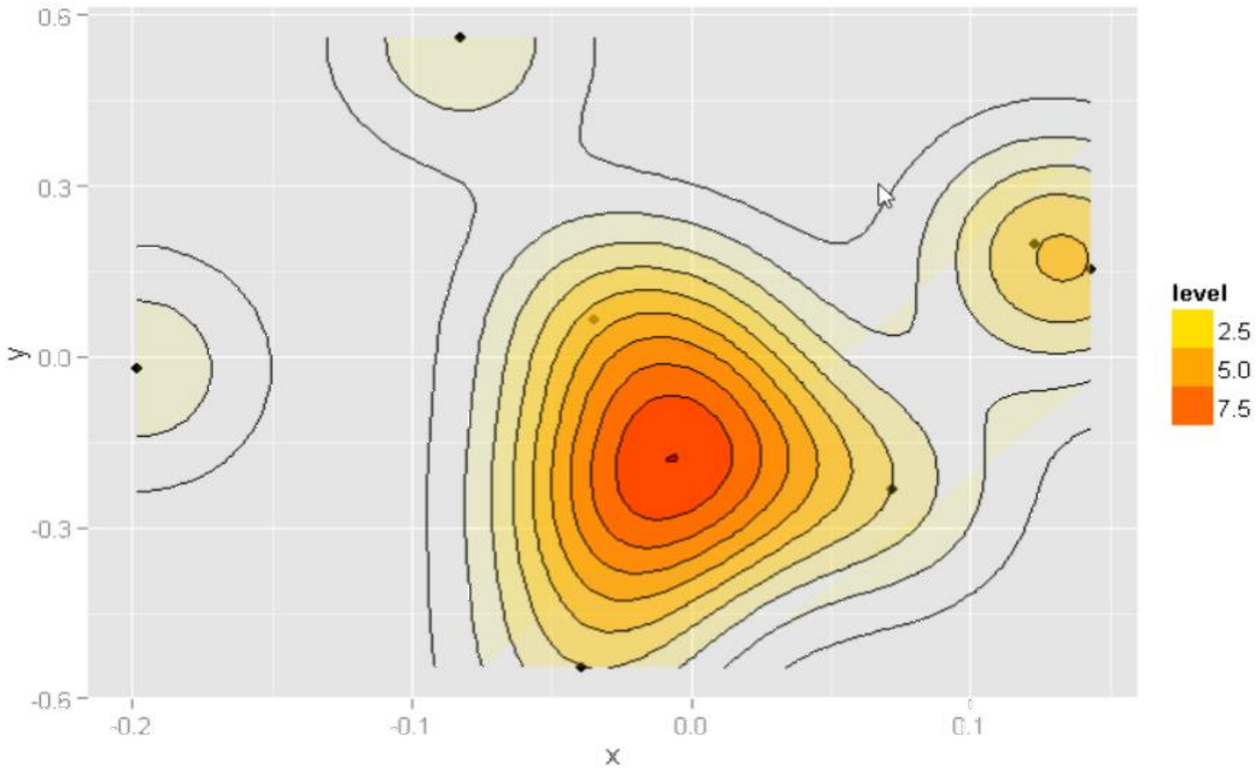
Graphiques à écoulements



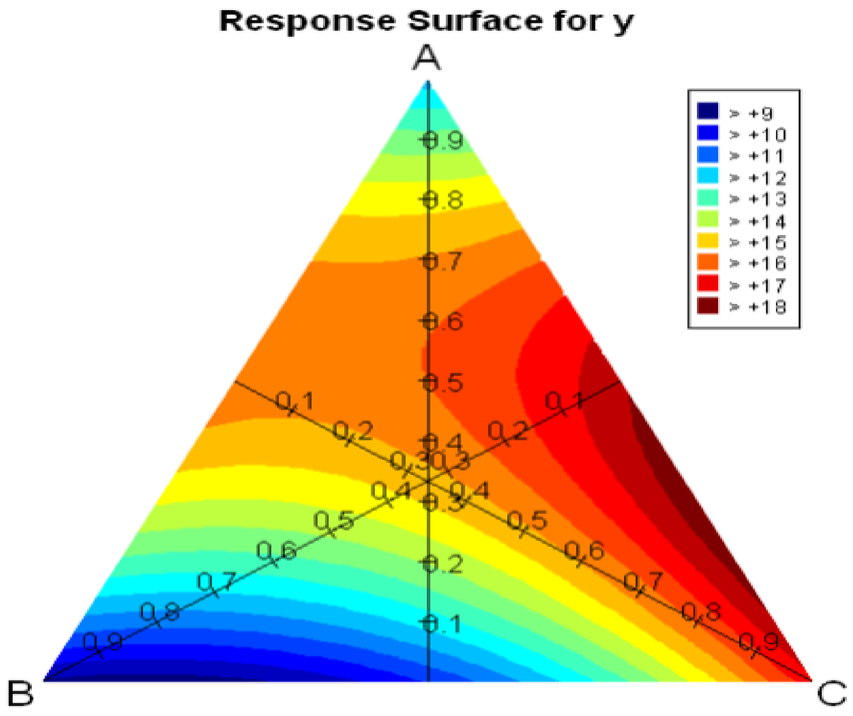


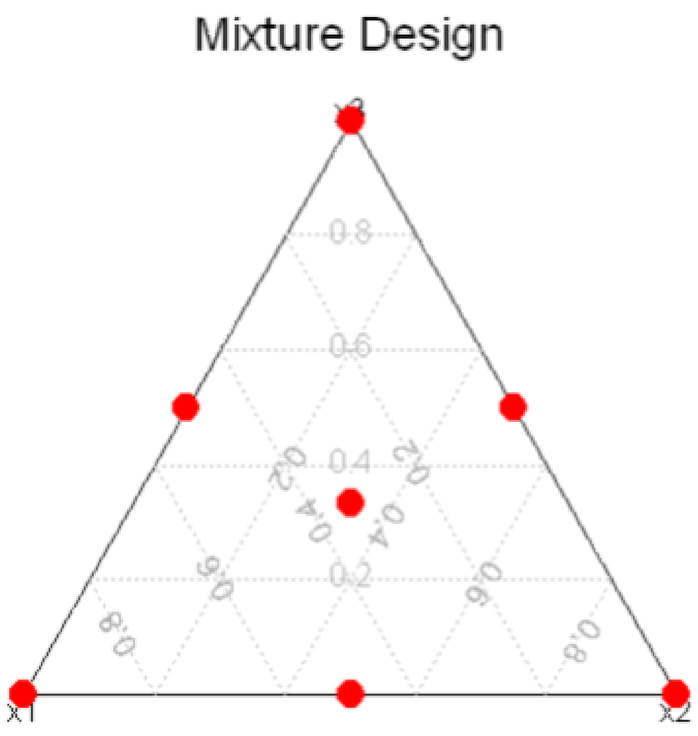
Graphiques avec courbes d’isodensité



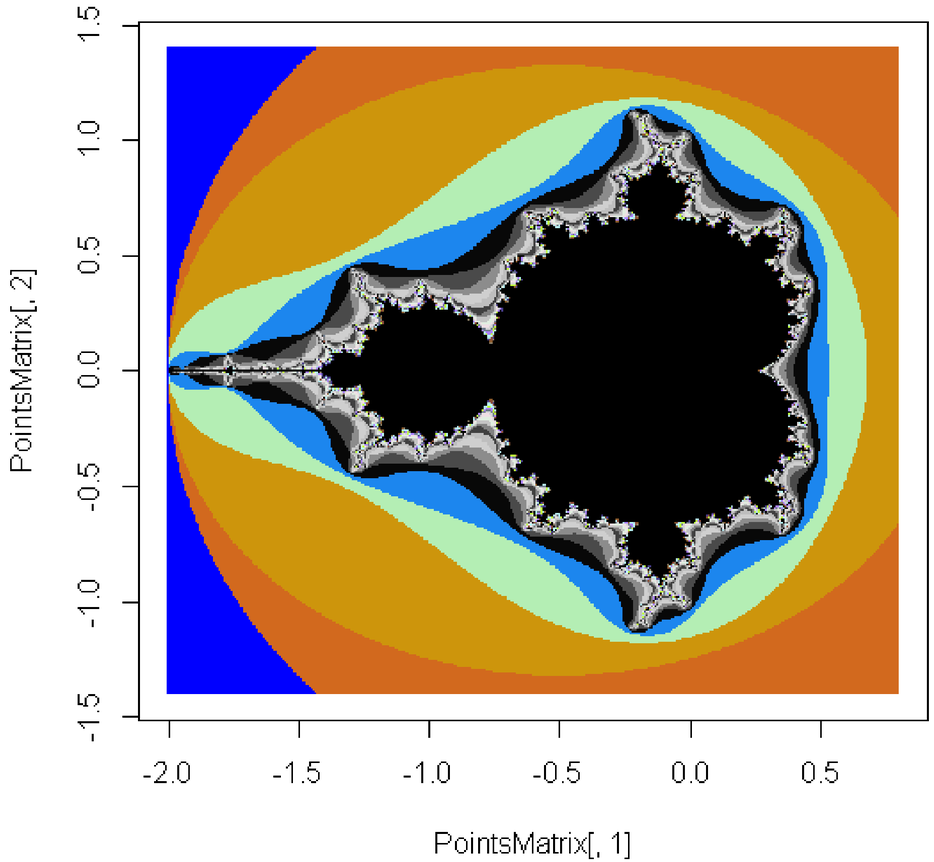


Graphiques ternaires





Fractales


1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
PointsMatrix[, 2]
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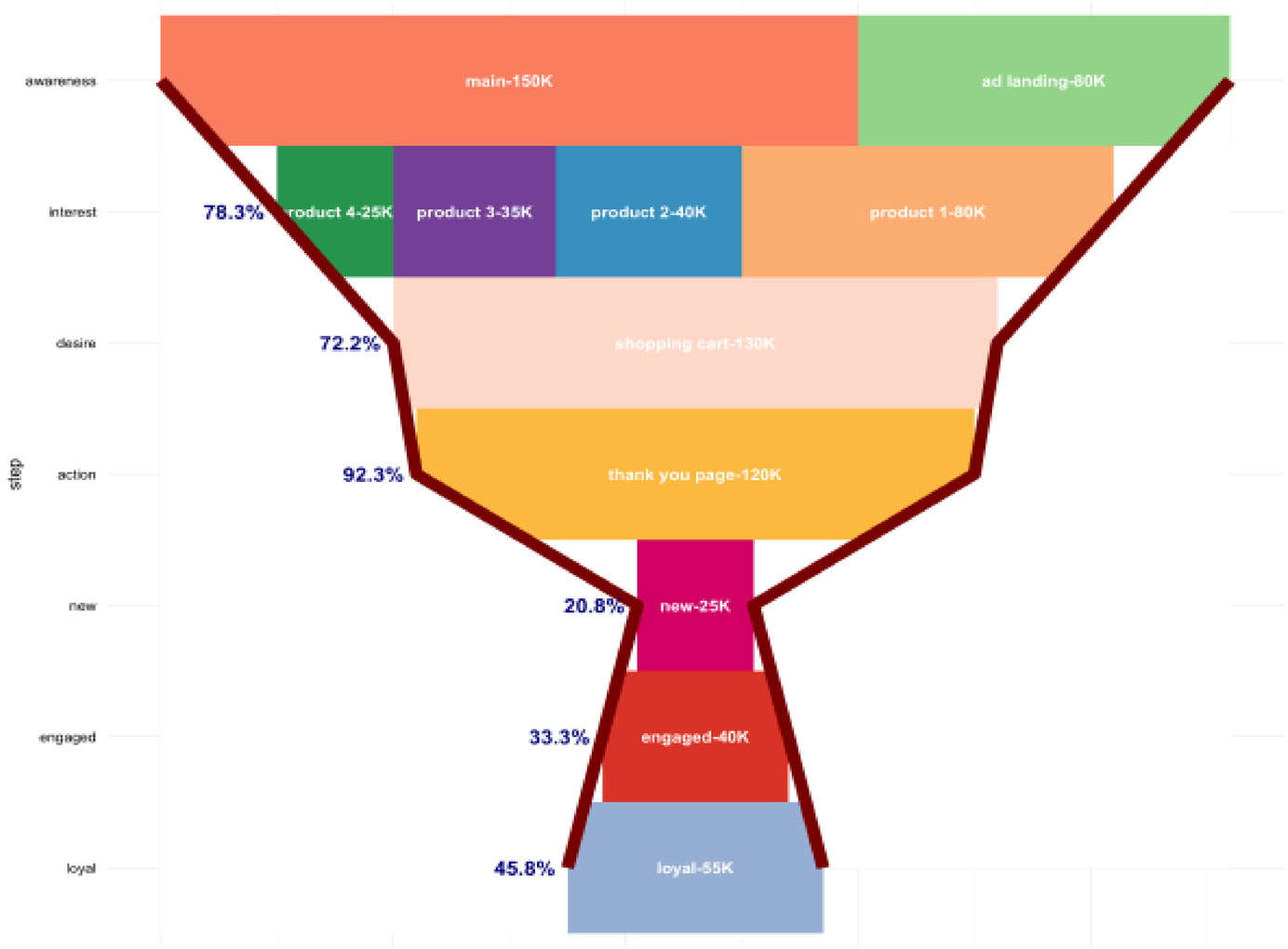
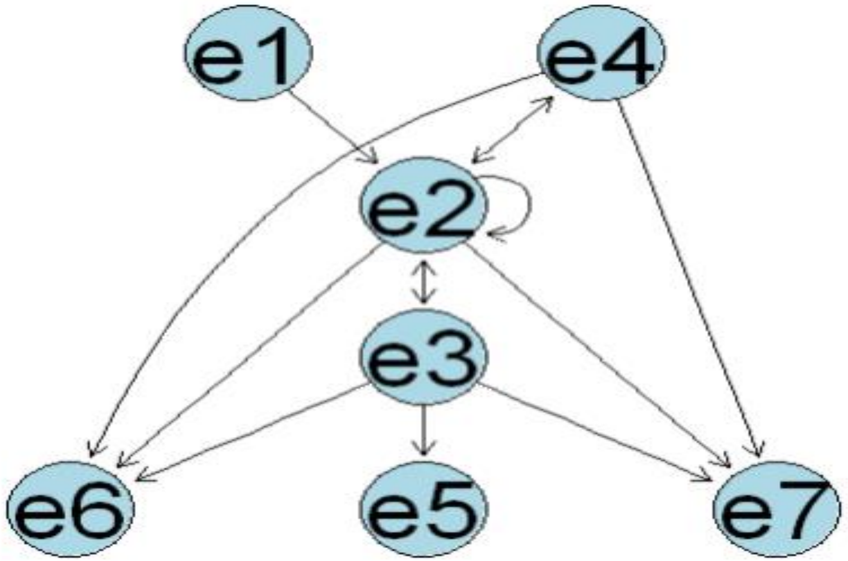
-1.5
-1.0
-0.5
0.0
0.5
PointsMatrix[, 1]

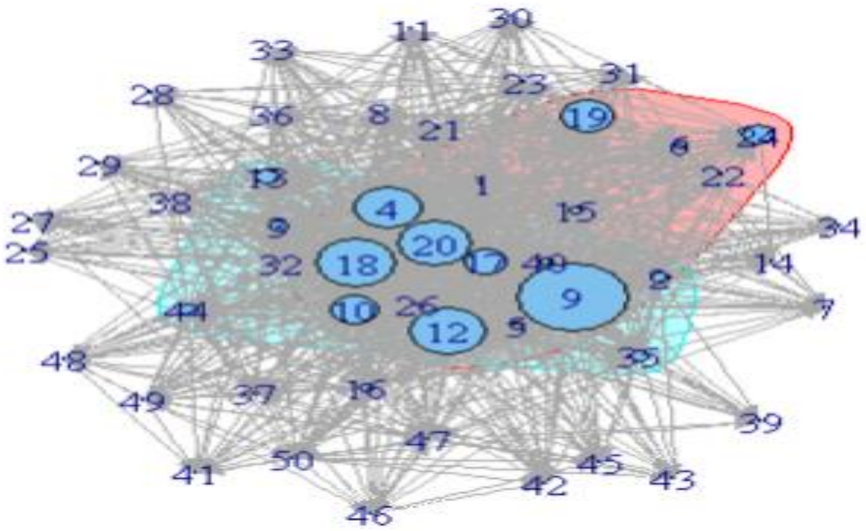
Graphiques en entonnoir

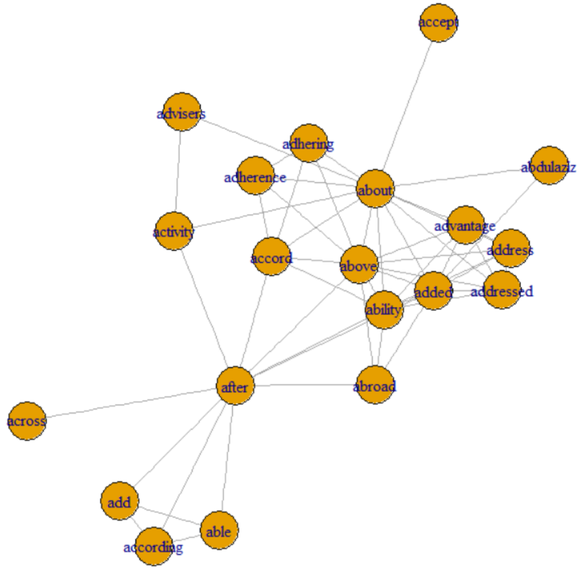


Liaisons/Flux

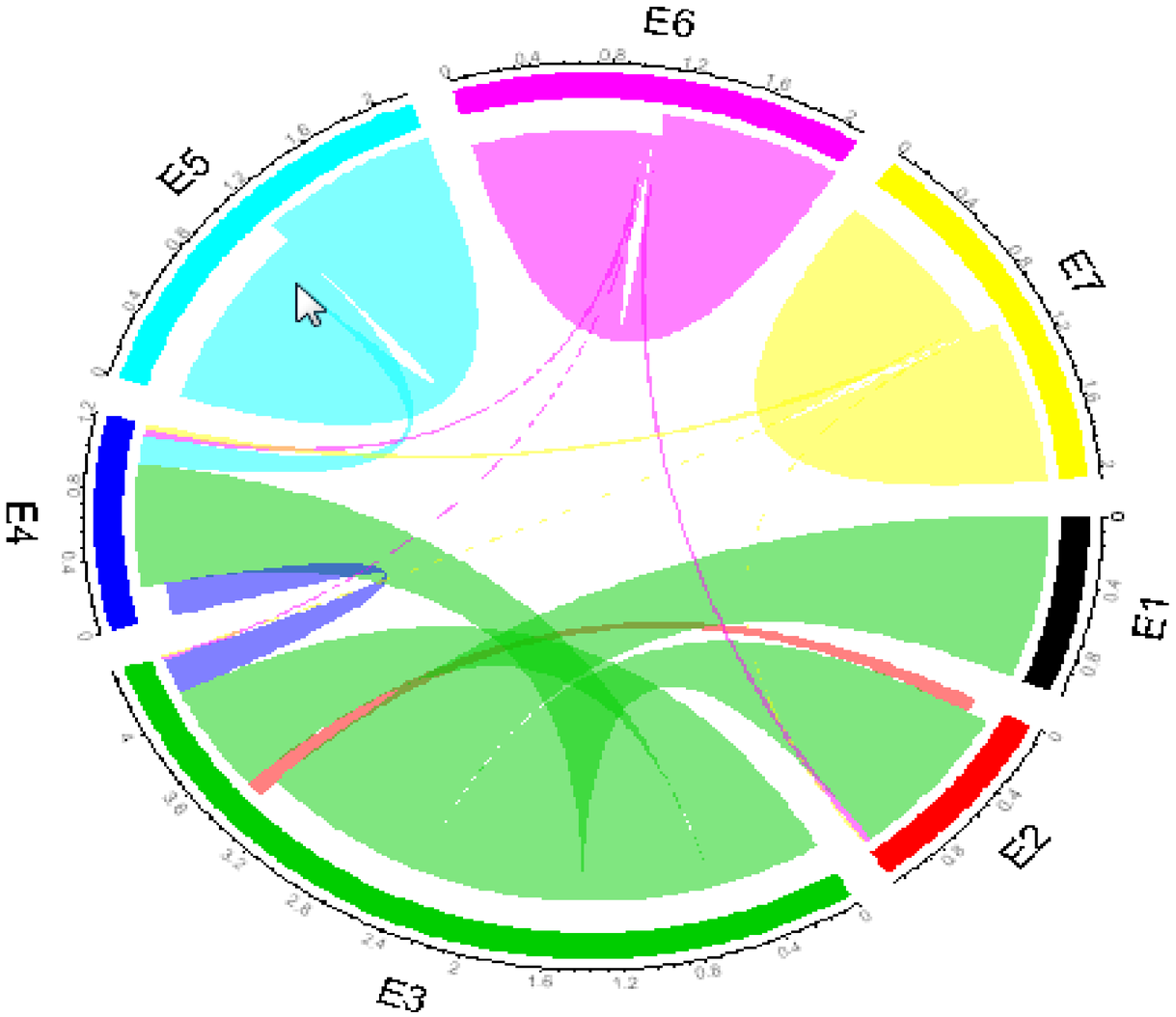
Graphiques en réseaux ou graphes



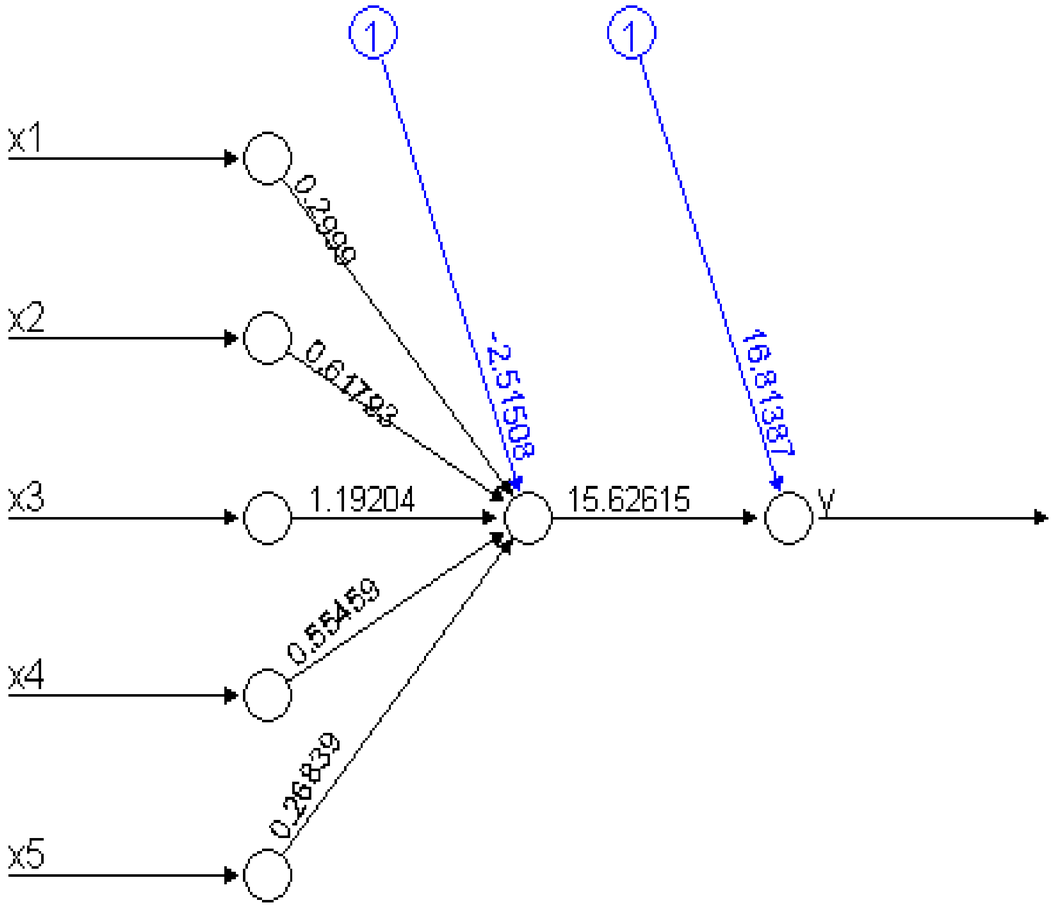




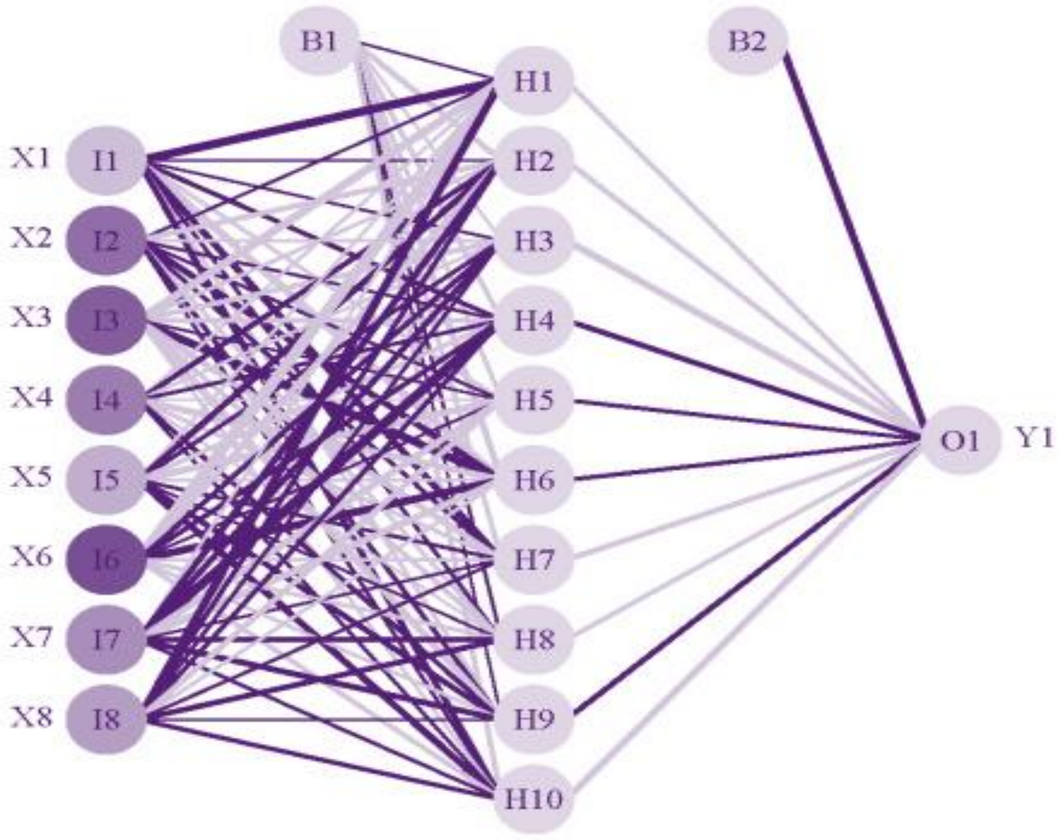
Chord diagram



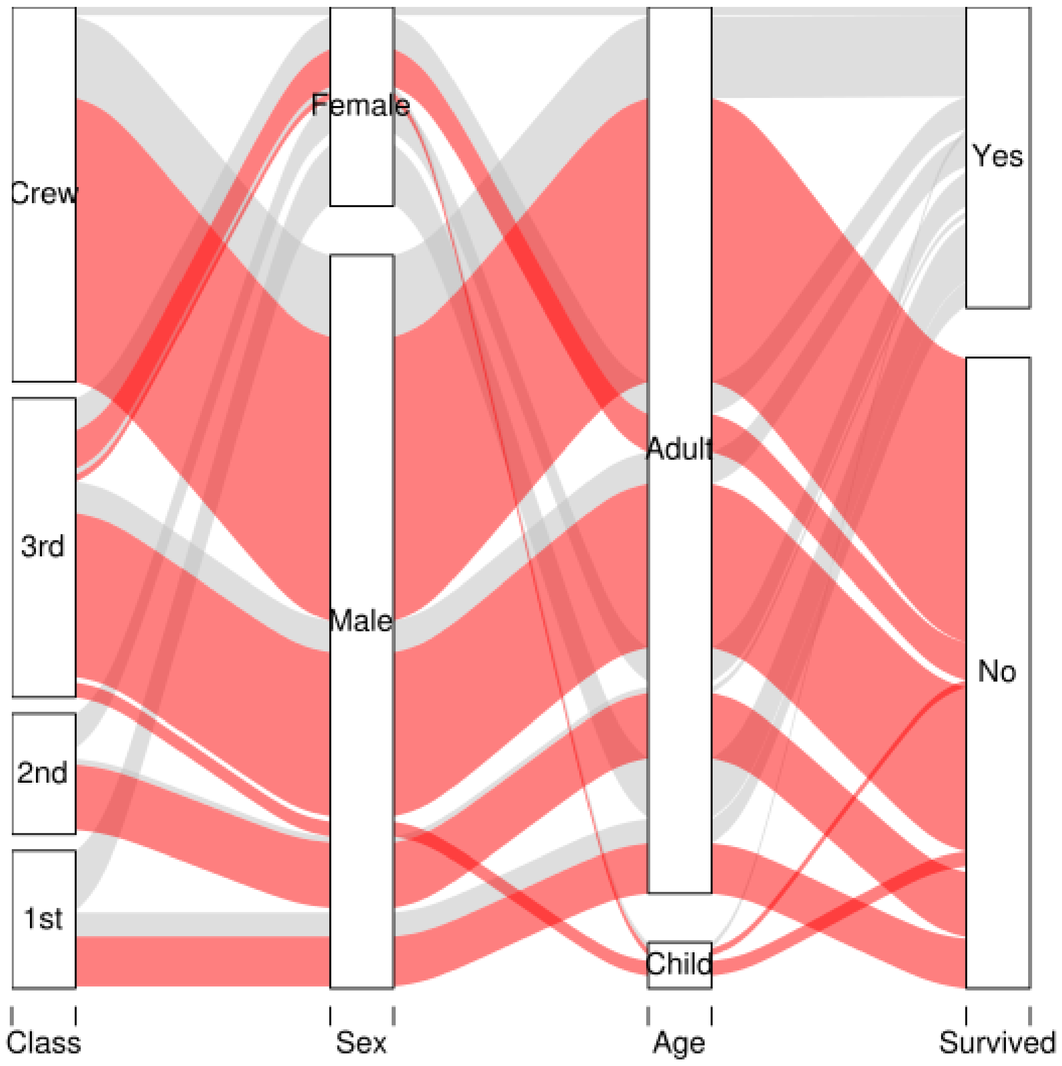
Réseaux de neurones

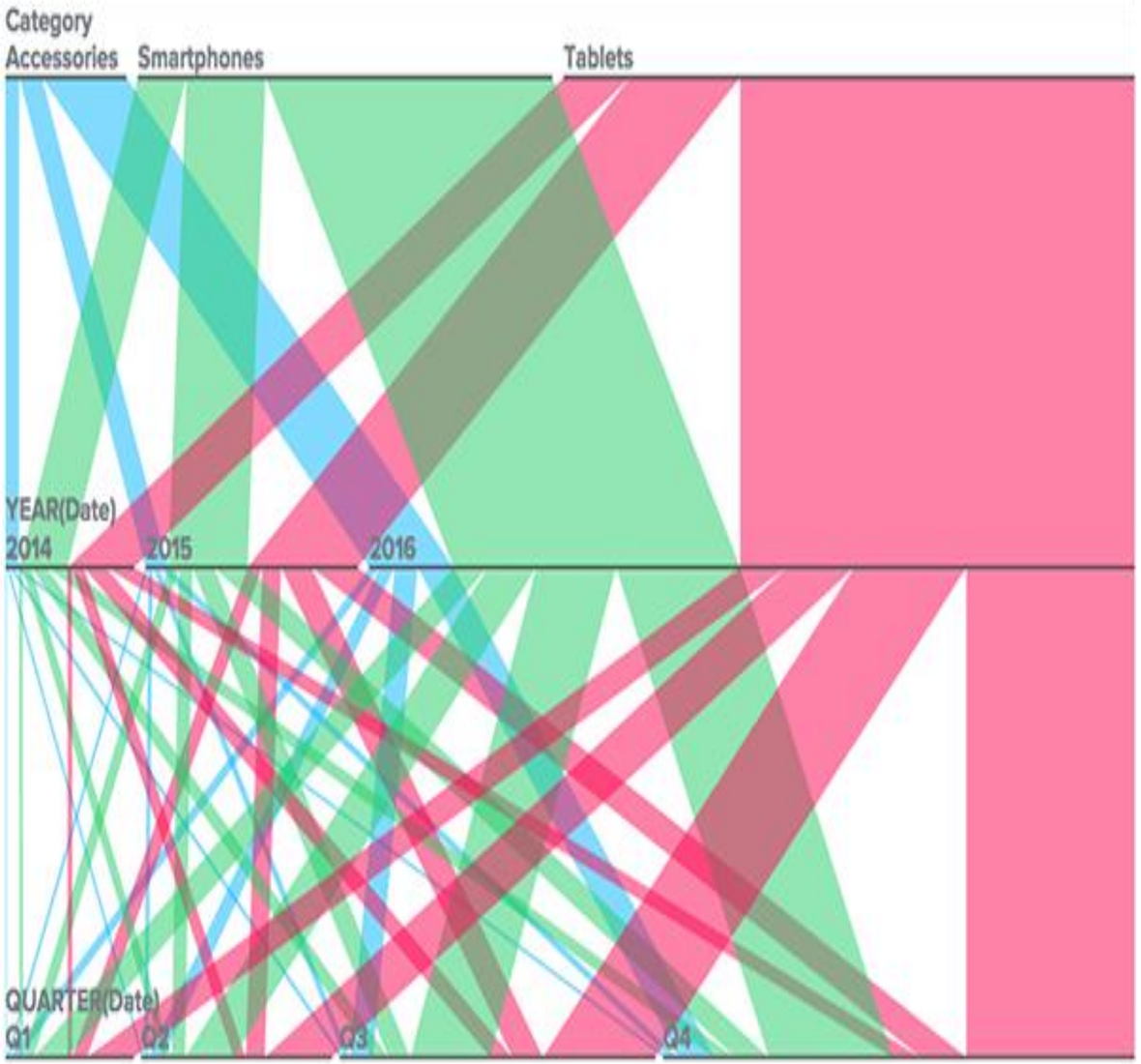


Error: 3.9602 Steps: 182

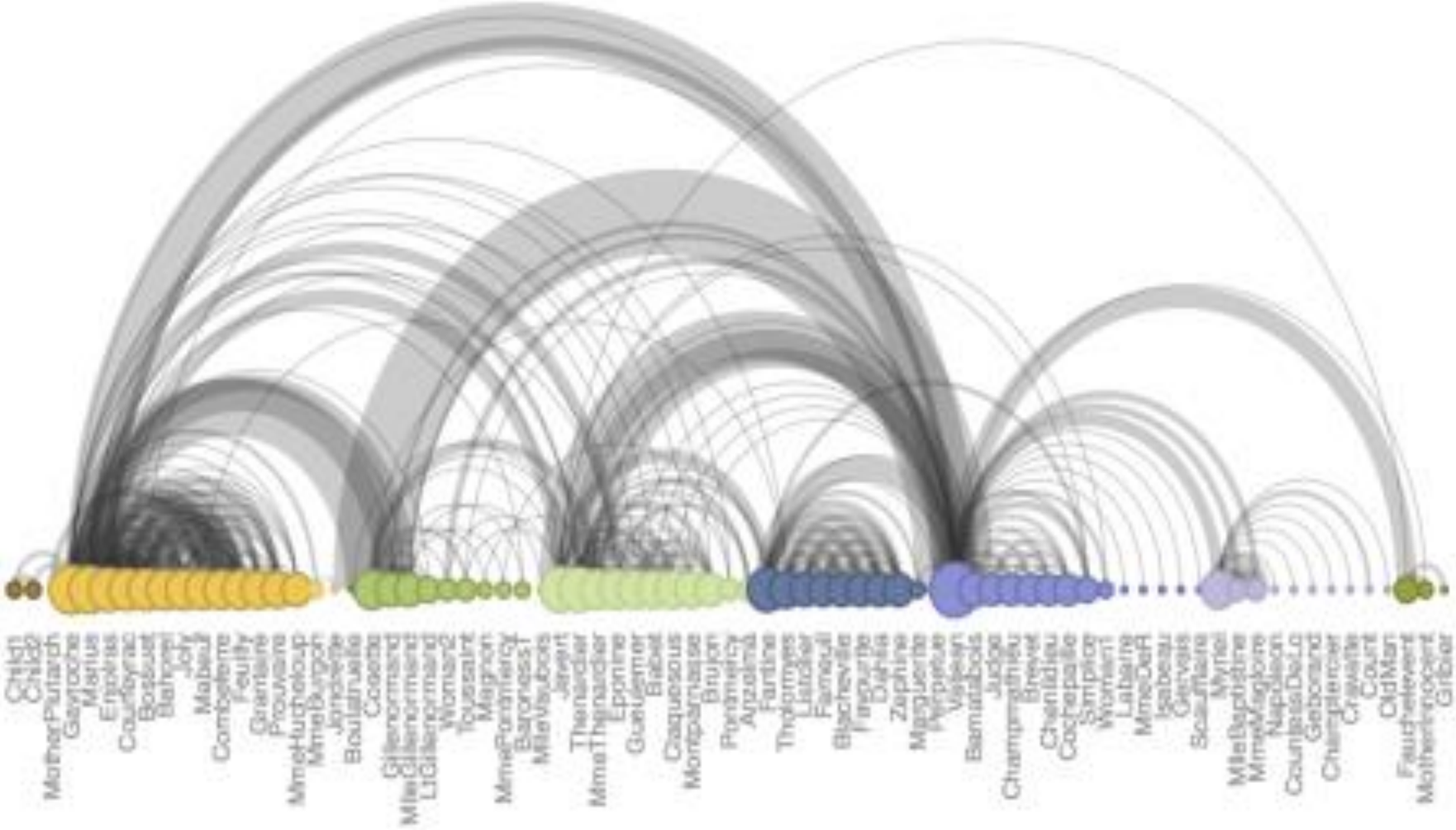


Graphiques en coordonnées parallèles



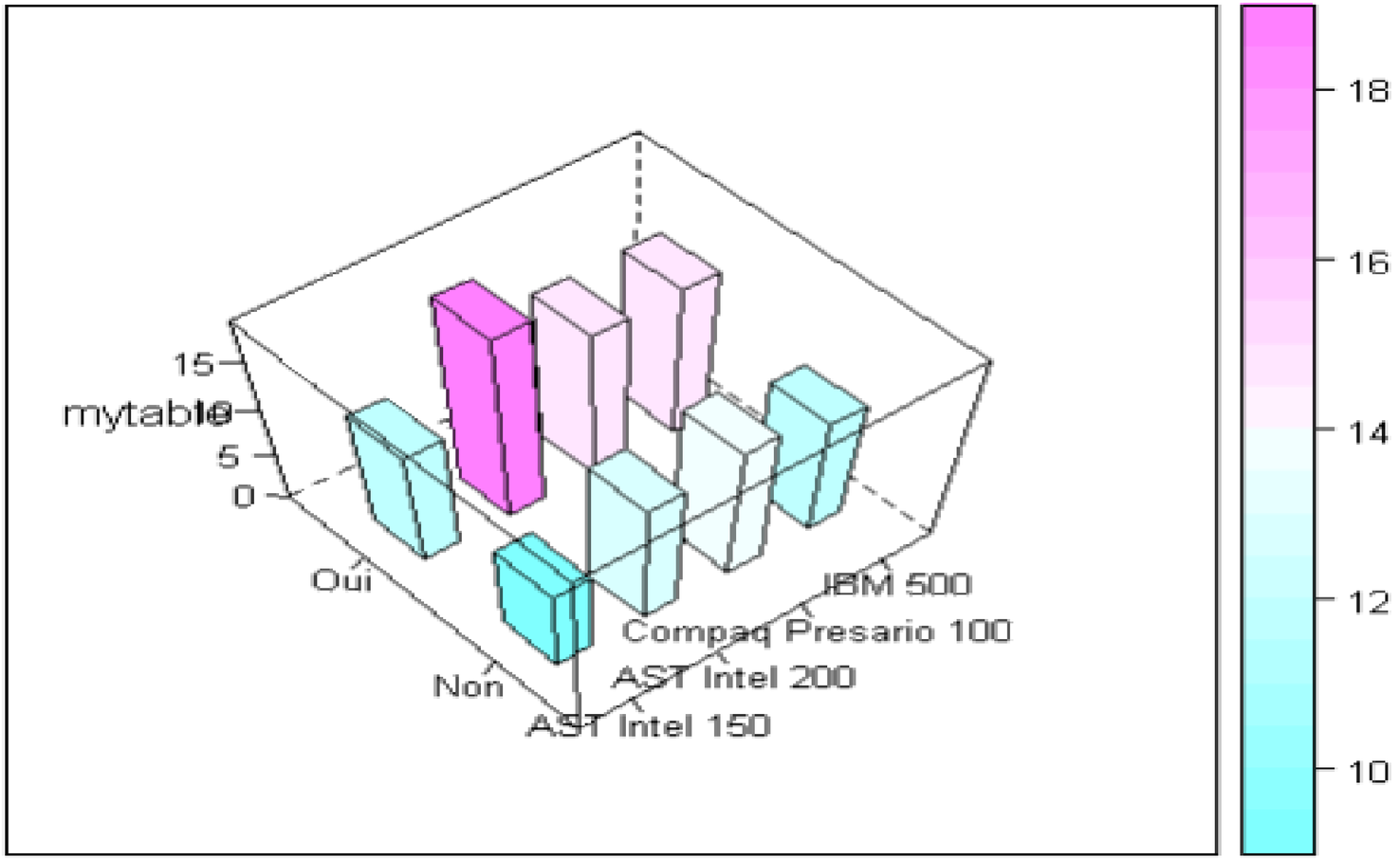


Graphiques en arc

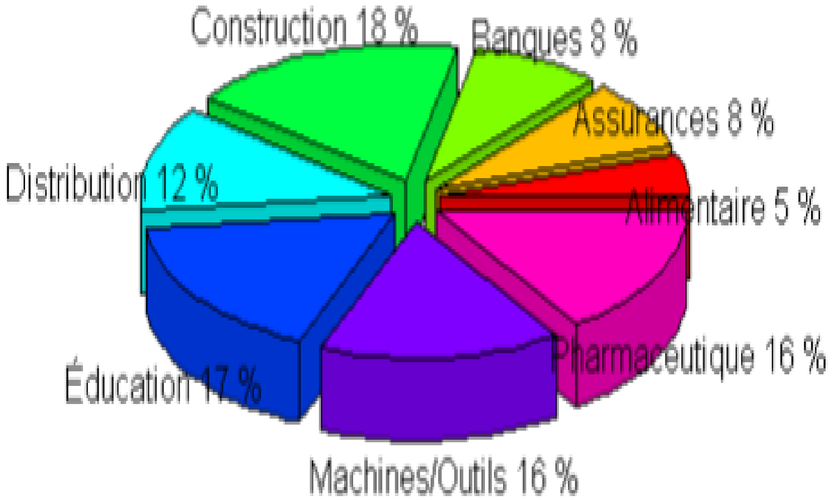


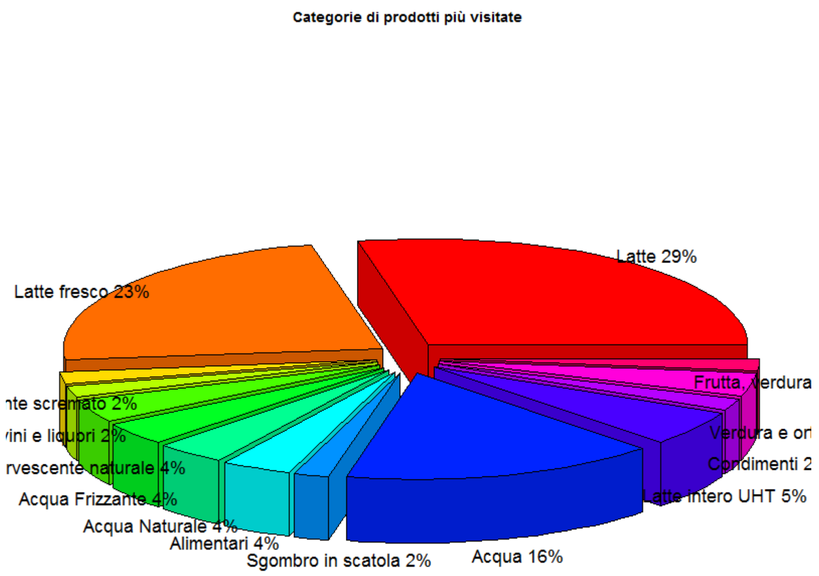
Graphiques 3D

Graphiques en barres

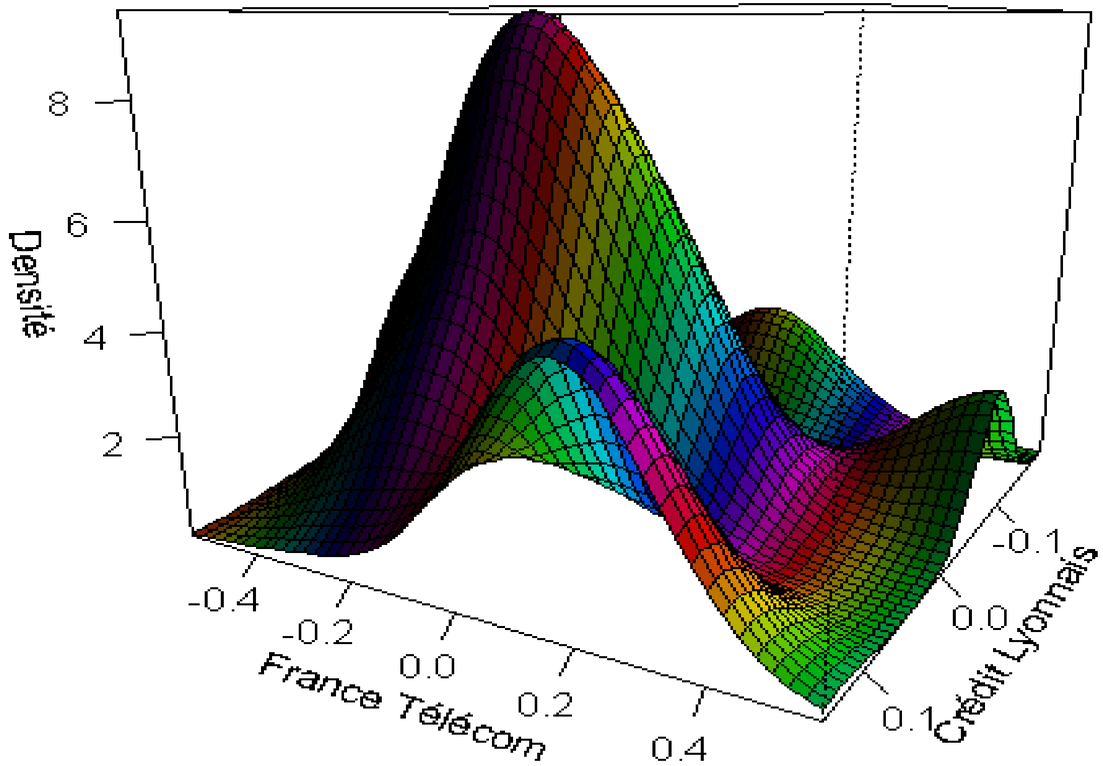


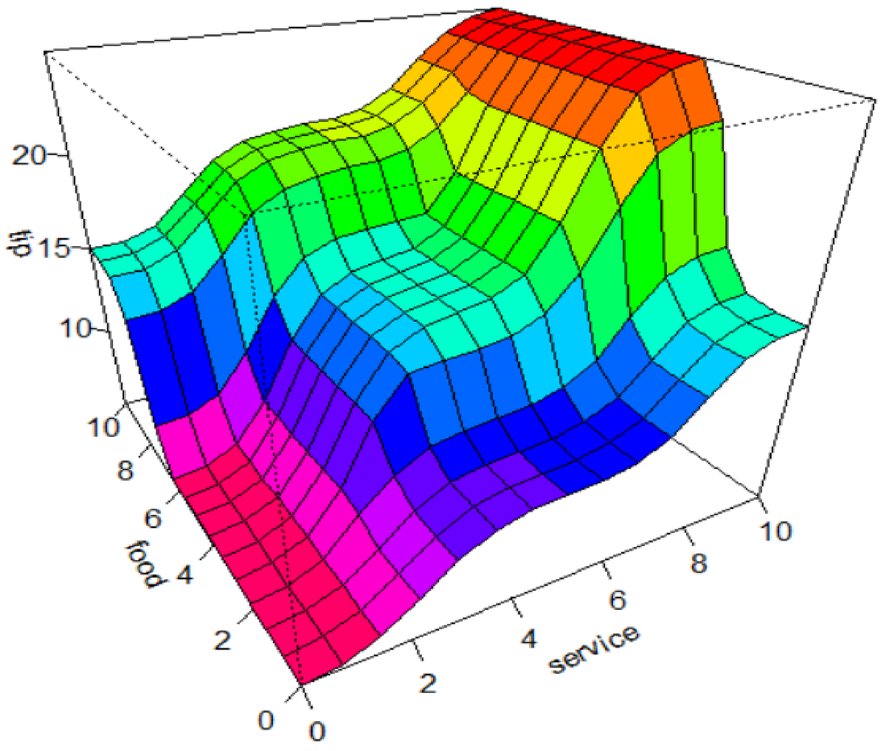
Secteurs


Construction 18 %
Banques 8 %
Assurances 8 %
Distribution 12 %
Alimentaire 5 %
Pharmaceutique 16 %
Éducation 17 %
Machines/Outils 16 %

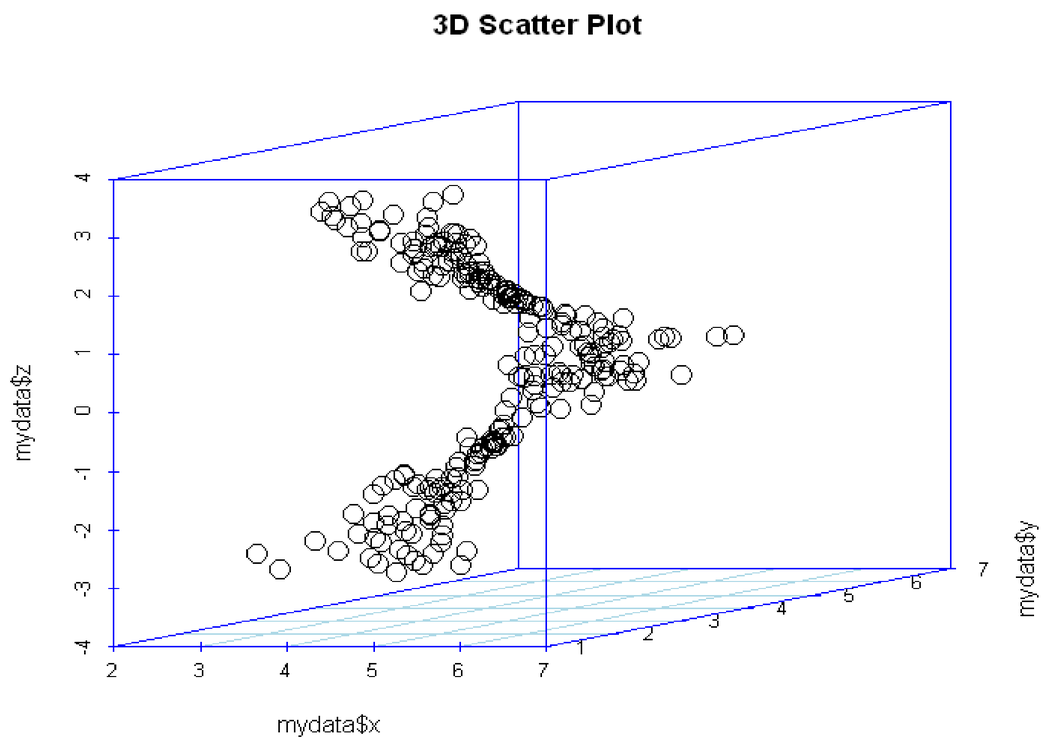

Categorie di prodotti più visitate
Latte 29%
Latte fresco 23%
Frutta, Verdura
Verdura e or
Condimenti 2
Latte intero UHT 5%
Acqua 16%
Sgombro in scatola 2%
Alimentari 4%
Acqua Naturale 4%
Acqua Frizzante 4%
rvescente naturale 4%
ini e liquori 2%
nte scremato 2%

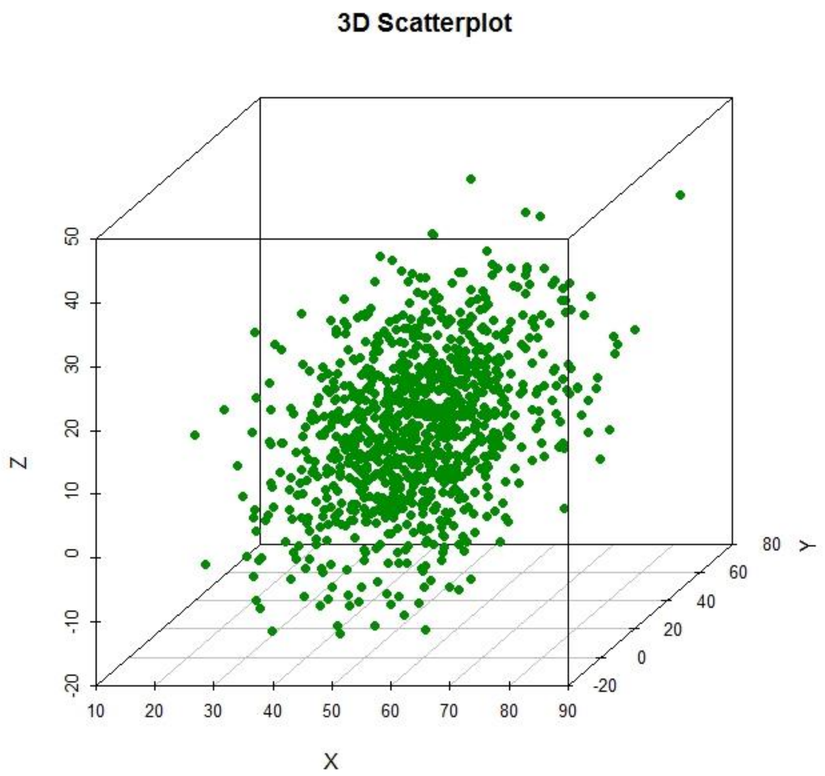
Surfaces


Densité
8
6
4
2
-0.4
-0.2
0.0
0.2
0.4
France Télécom
-0.1
0.0
0.1
Crédit Lyonnais

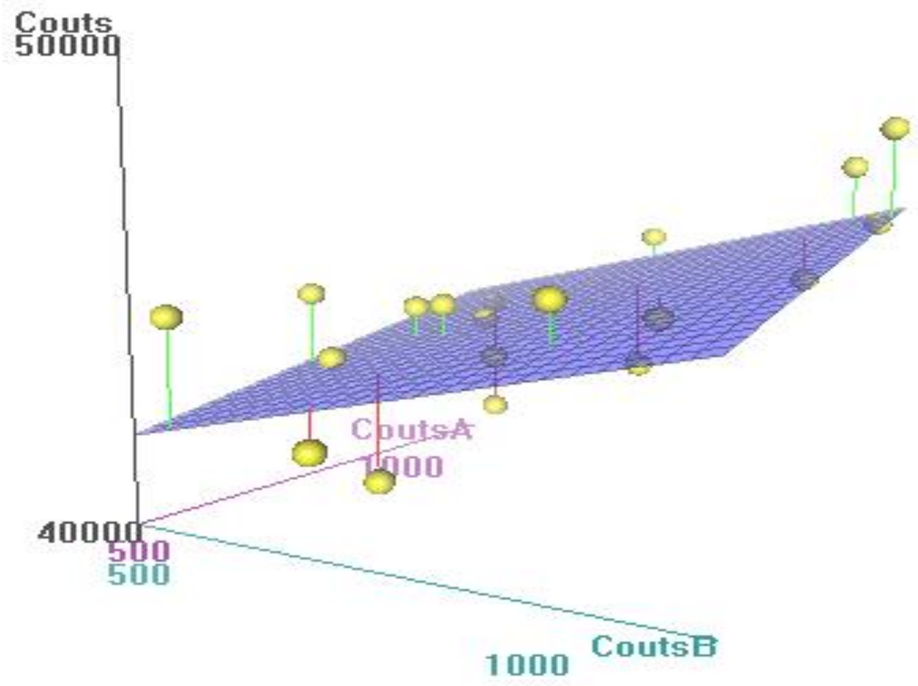

tip
20
15
10
food
10
8
6
4
2
0
service
0
2
4
6
8
10

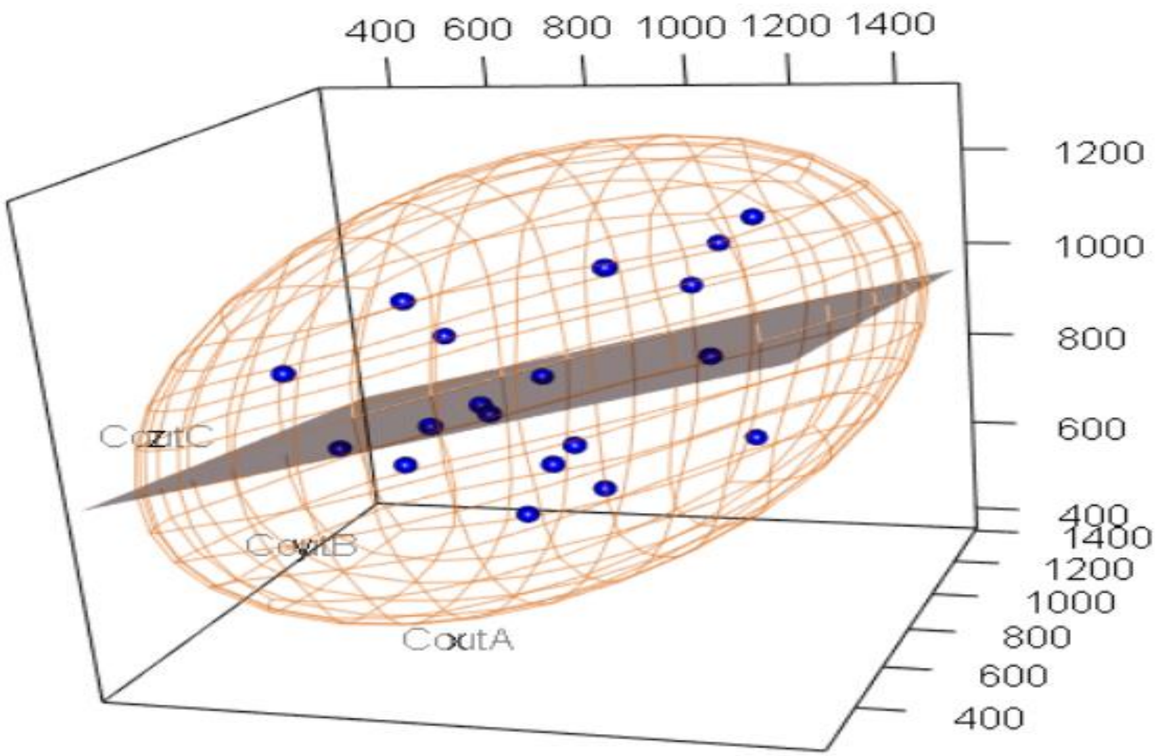
Nuages des points



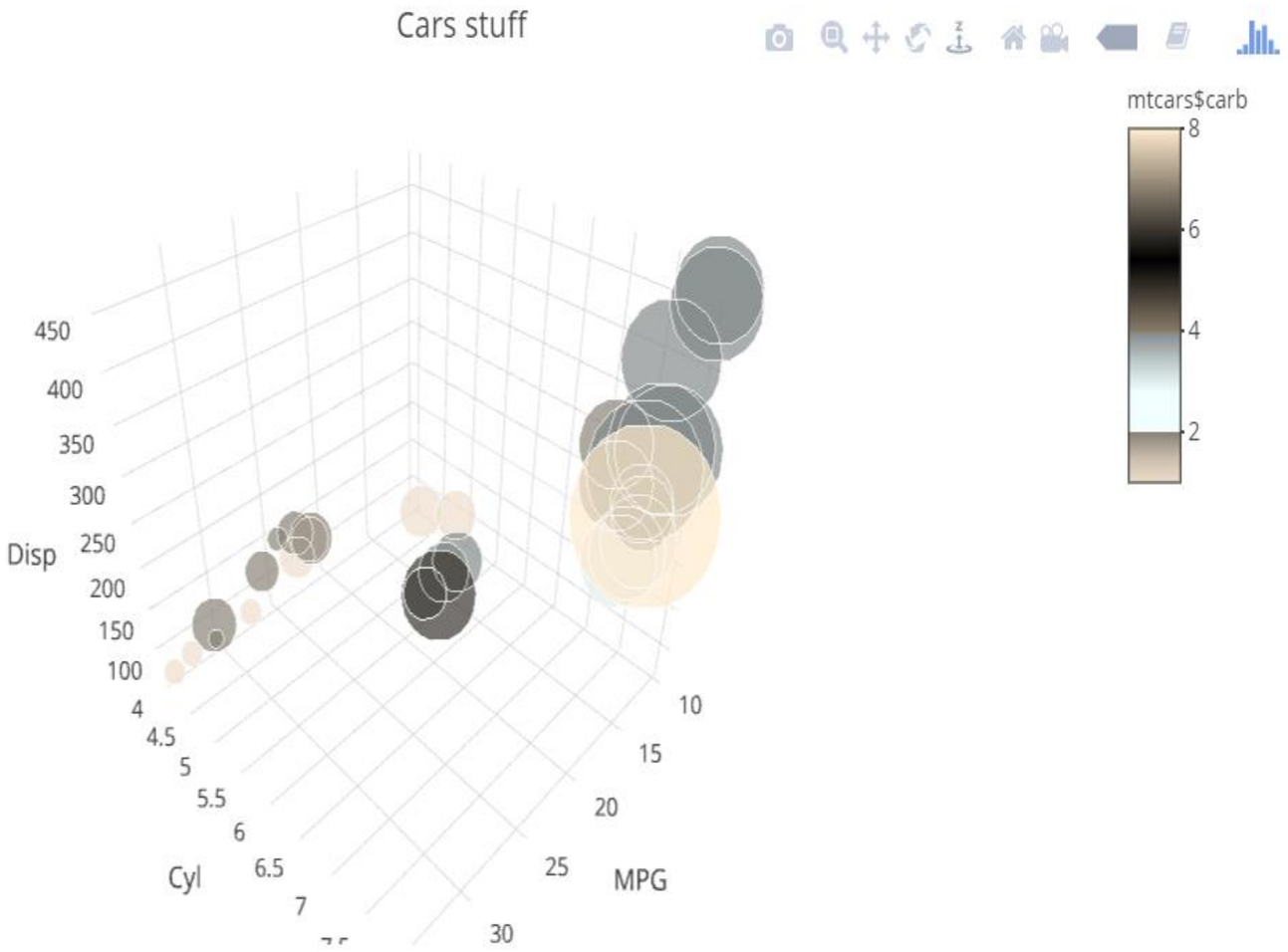


Regressions linéaires bivariées

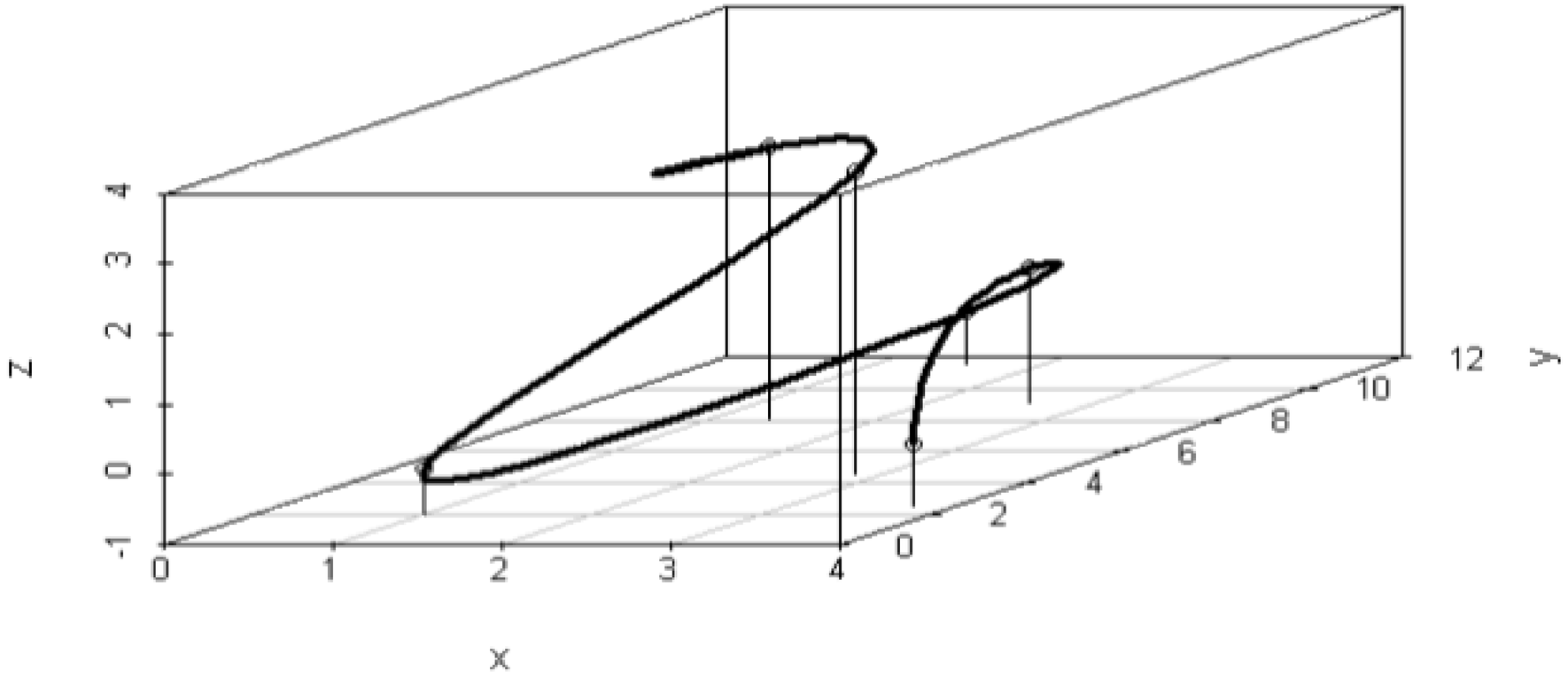




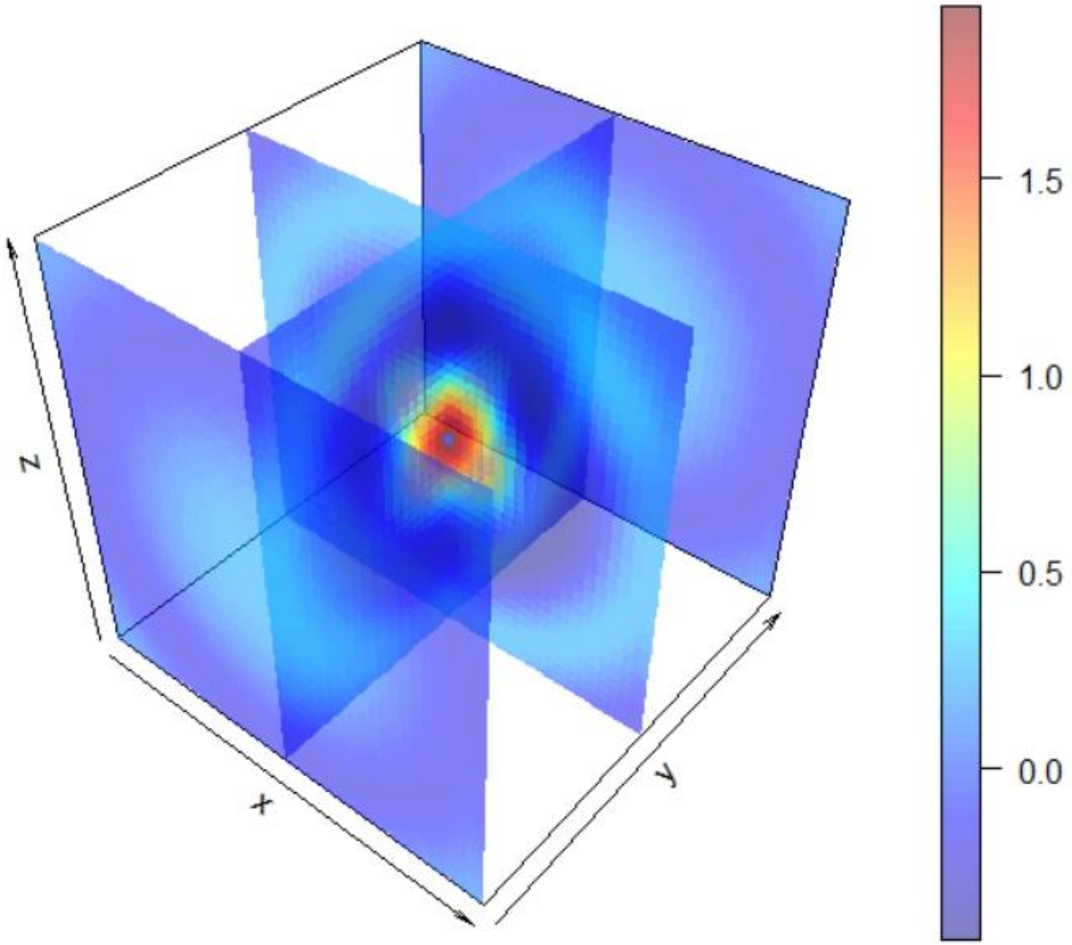
Bulles


Cars stuff
mtcars$carb
8
6
4
2
Disp
450
400
350
300
250
200
150
100
Cyl
4
4.5
5
5.5
6
6.5
7
MPG
10
15
20
25
30

Points mesurés dans le temps (splines 3D)

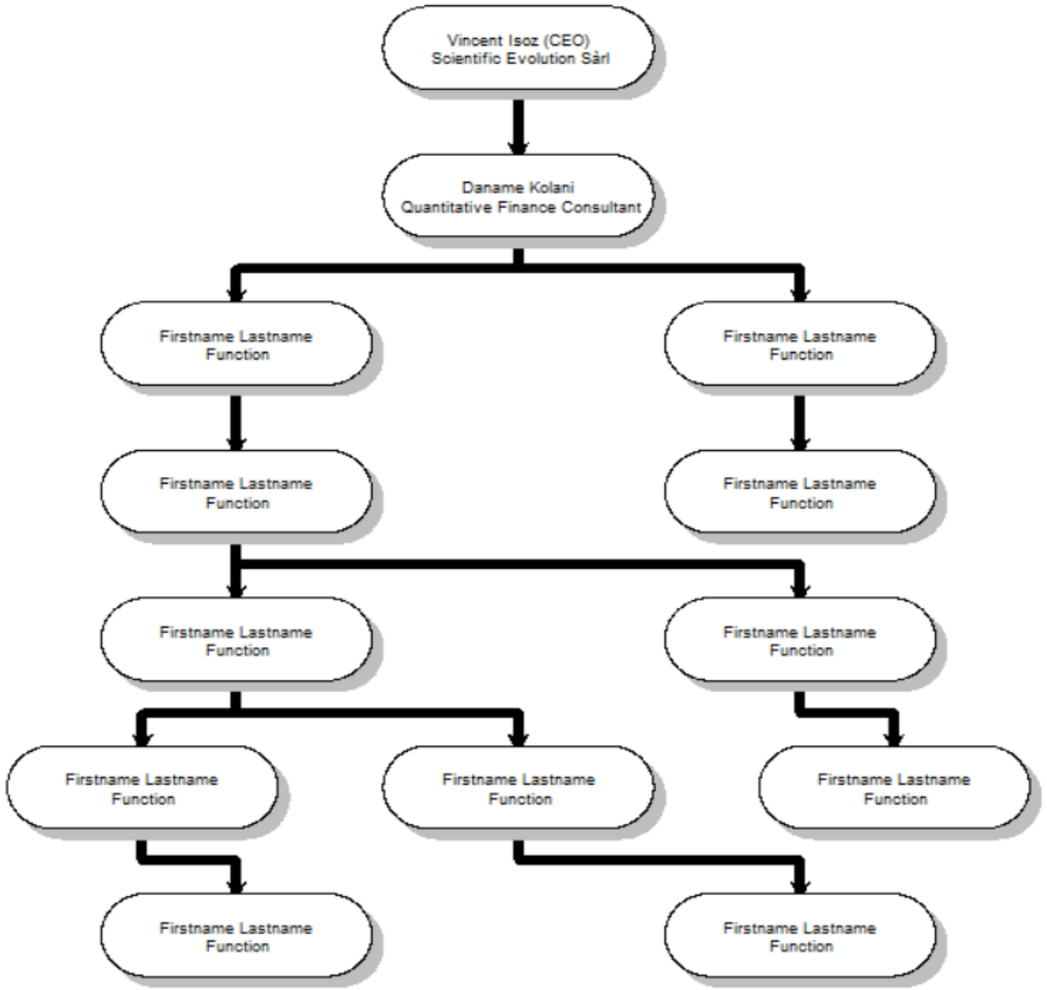


Graphiques avec coupes (slice)

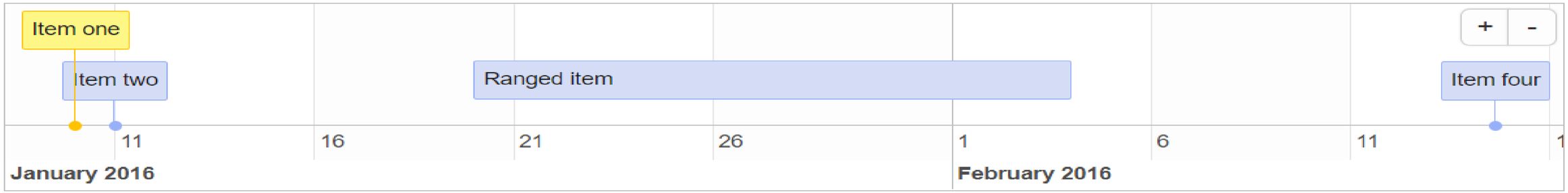


Gestion : logistique, projets, ressources humaines, …

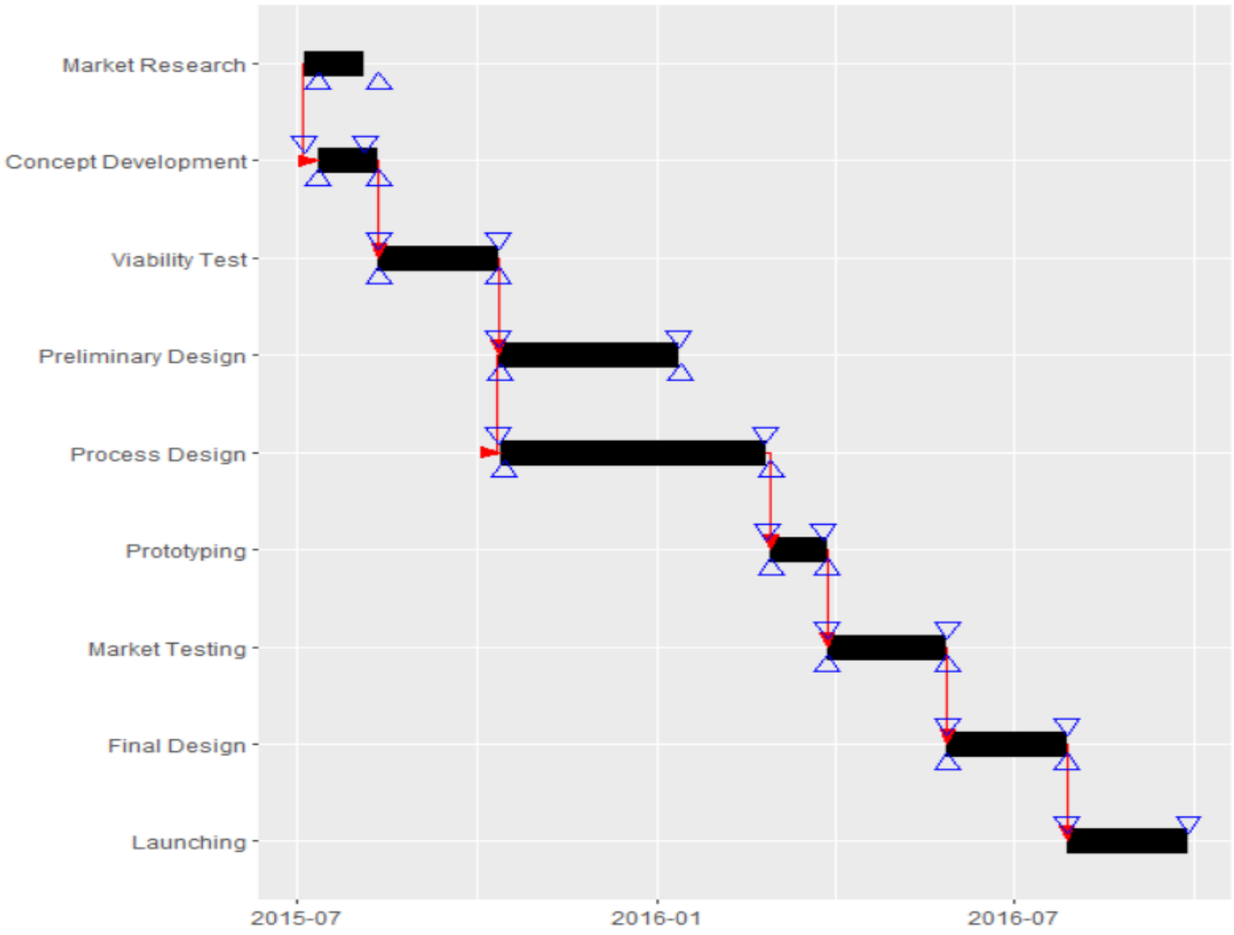
Organigramme



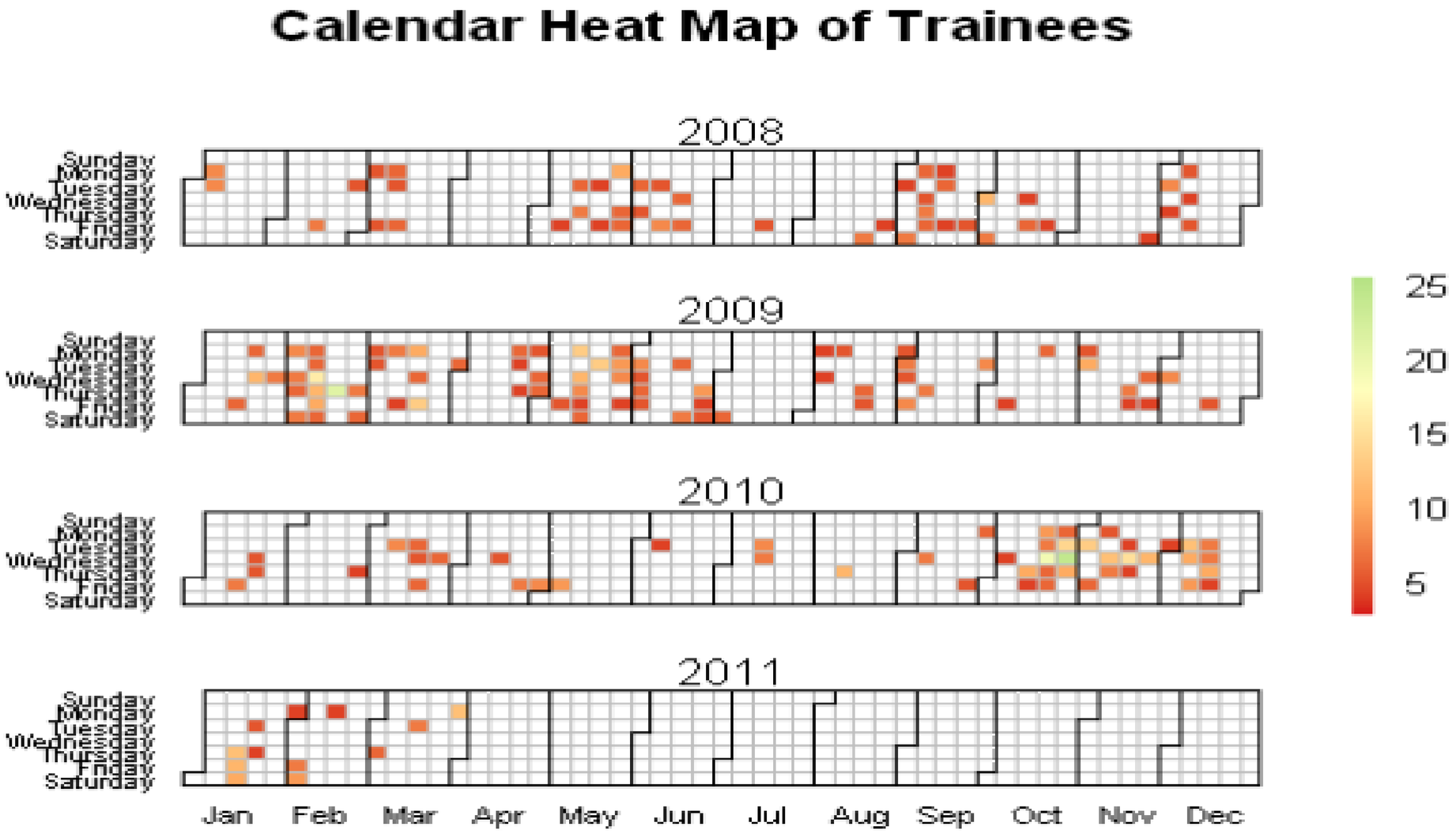
Chronologie



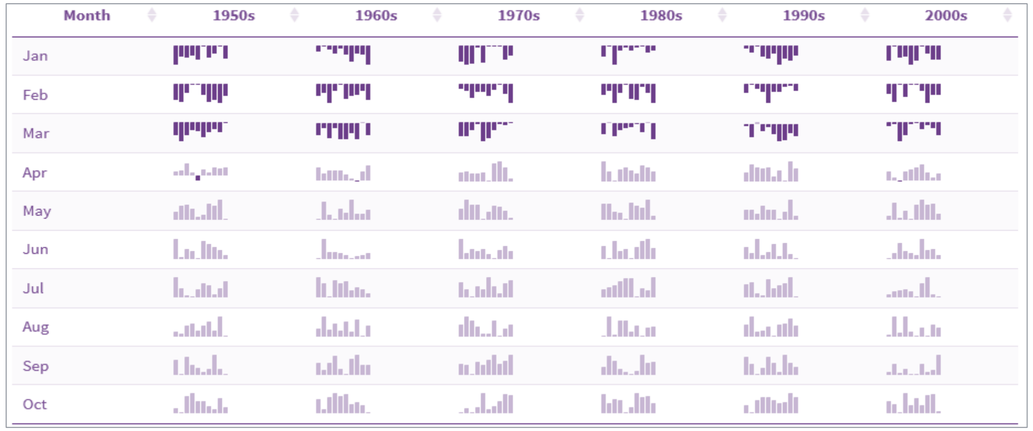
Diagrammes de Gantt

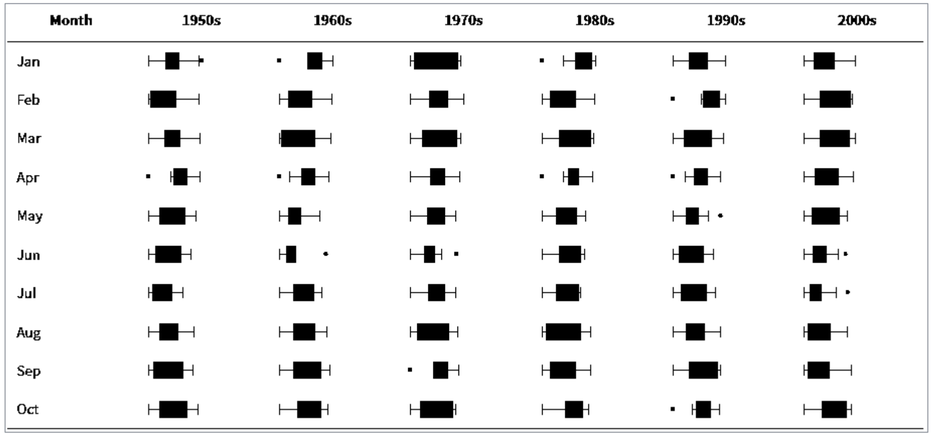


Calendriers de densité

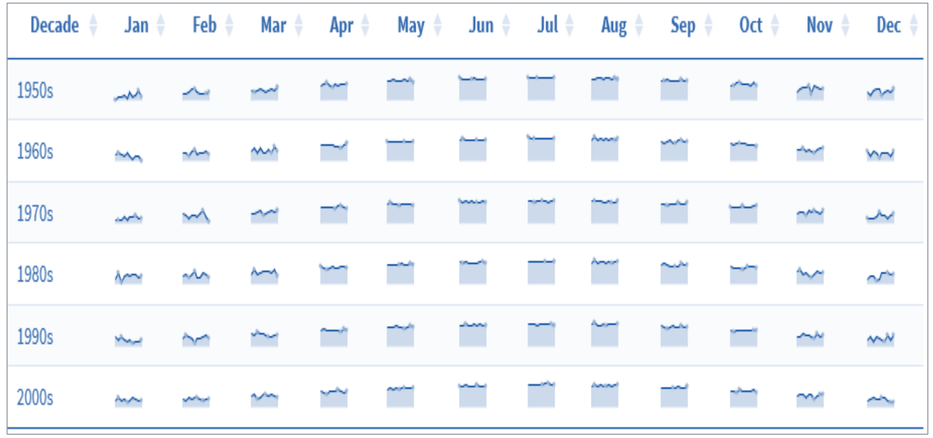


Sparklines

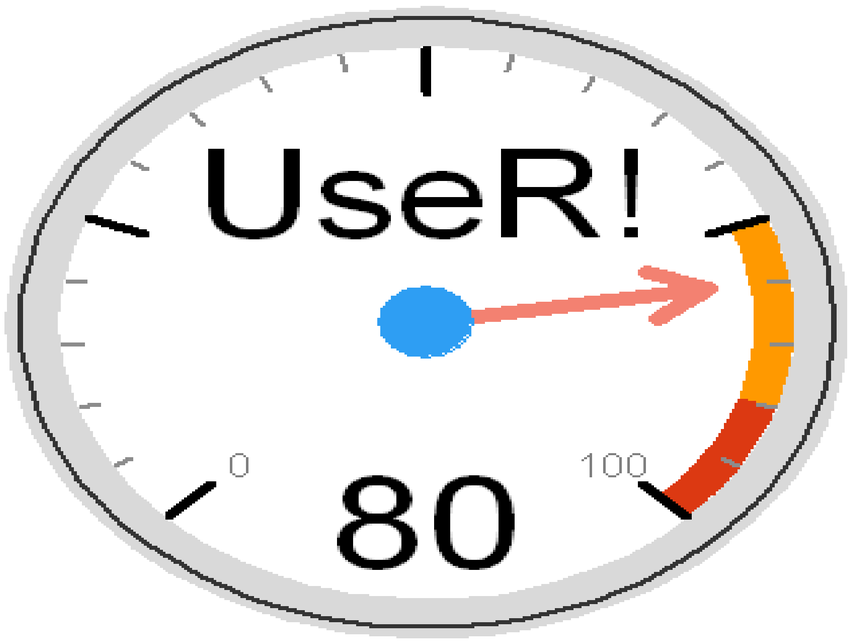




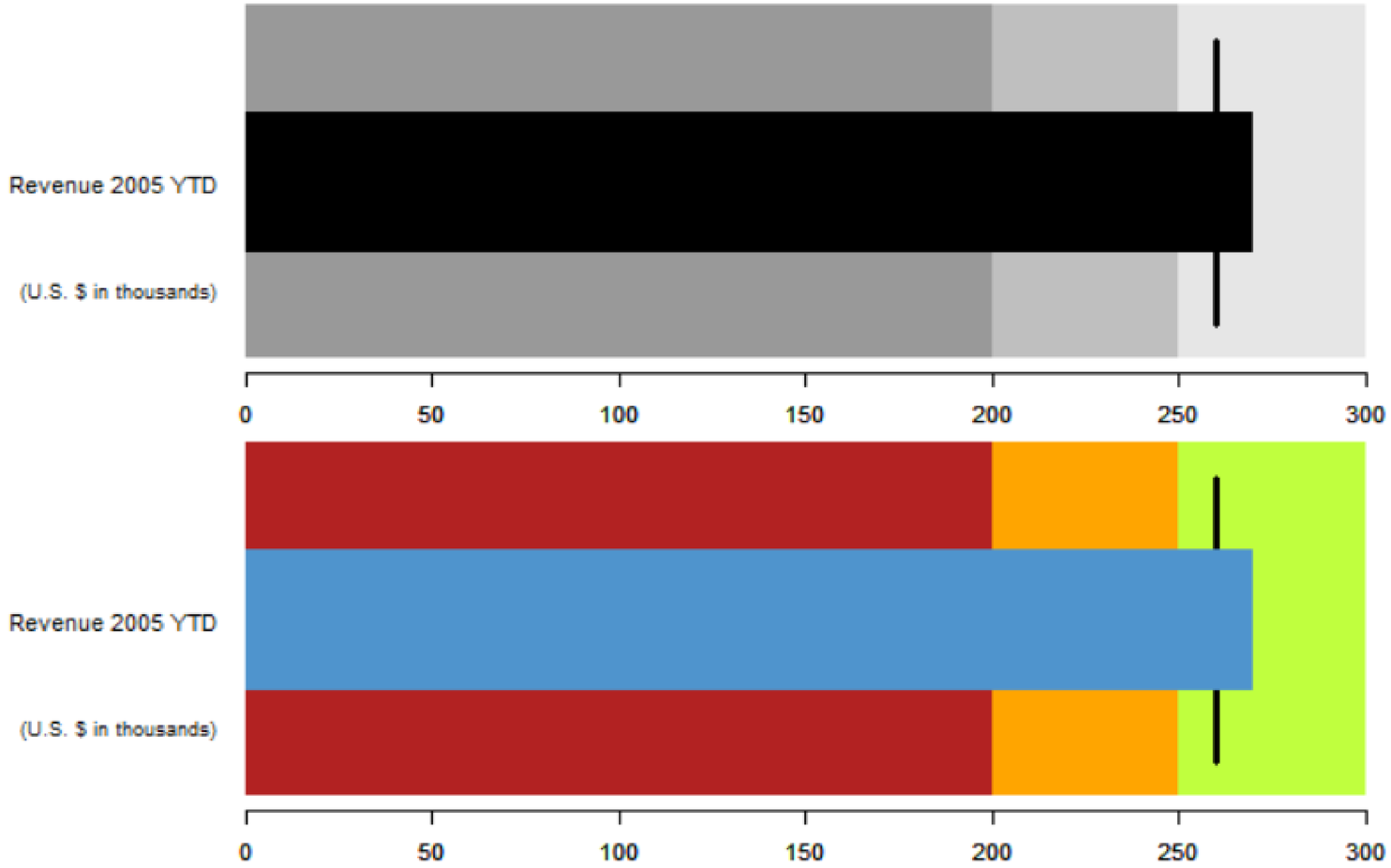
Location	Month	Var	Decade	Mean	SD	Min	Max	Samples	Series
Edmonton, Alberta	Aug	Temperature	1950s	14.8	1.2	13.1	17		
Edmonton, Alberta	Aug	Temperature	1960s	15.7	1.61	13	18.2		
Edmonton, Alberta	Aug	Temperature	1970s	15.2	1.82	12.4	17.9		
Edmonton, Alberta	Aug	Temperature	1980s	15.5	2.03	13	18.8		
Edmonton, Alberta	Aug	Temperature	1990s	16	1.64	13.1	18.5		
Edmonton, Alberta	Aug	Temperature	2000s	15.3	1.22	14	17.3		



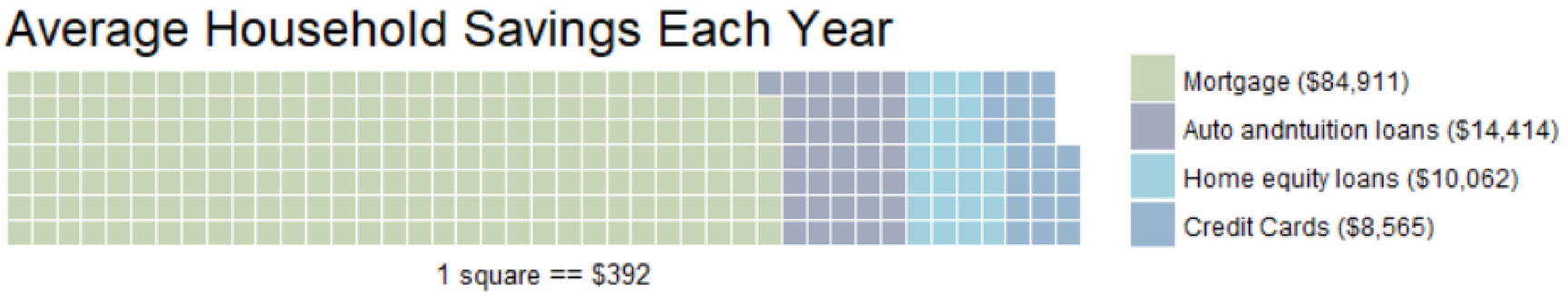
Graphiques jauge



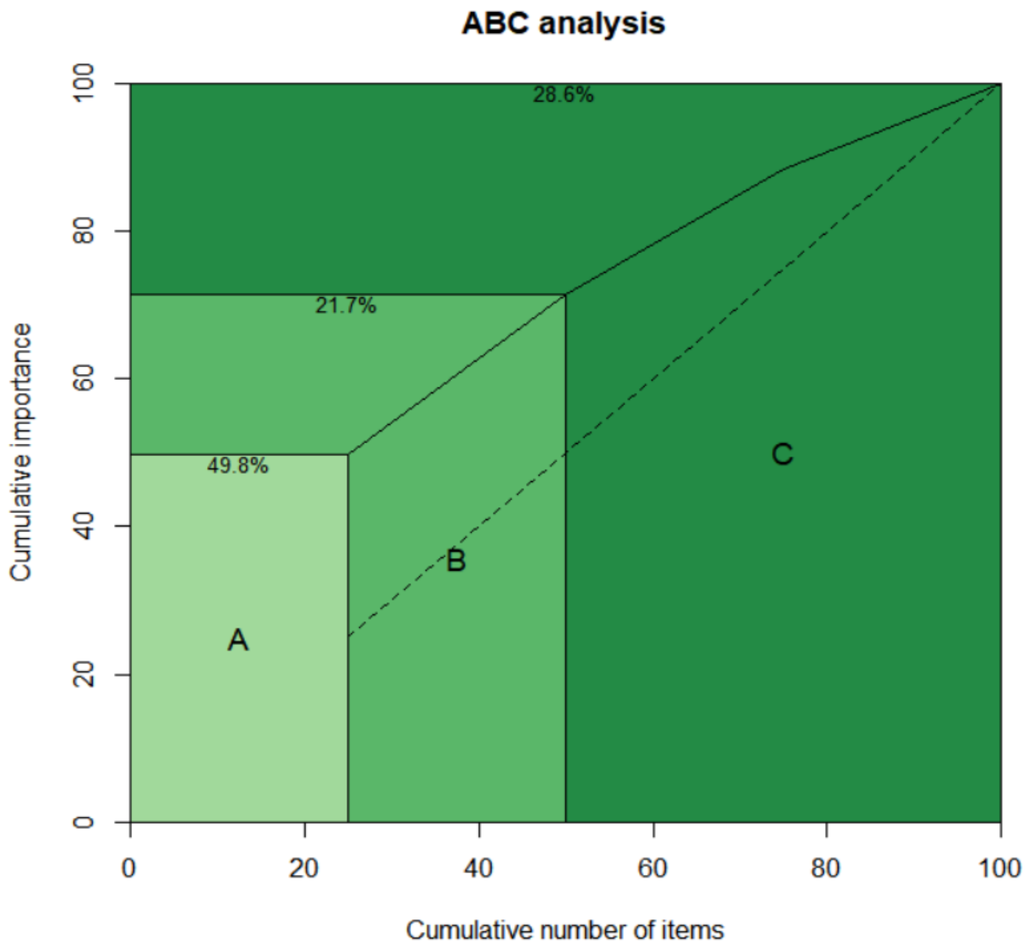
Graphiques Bullet



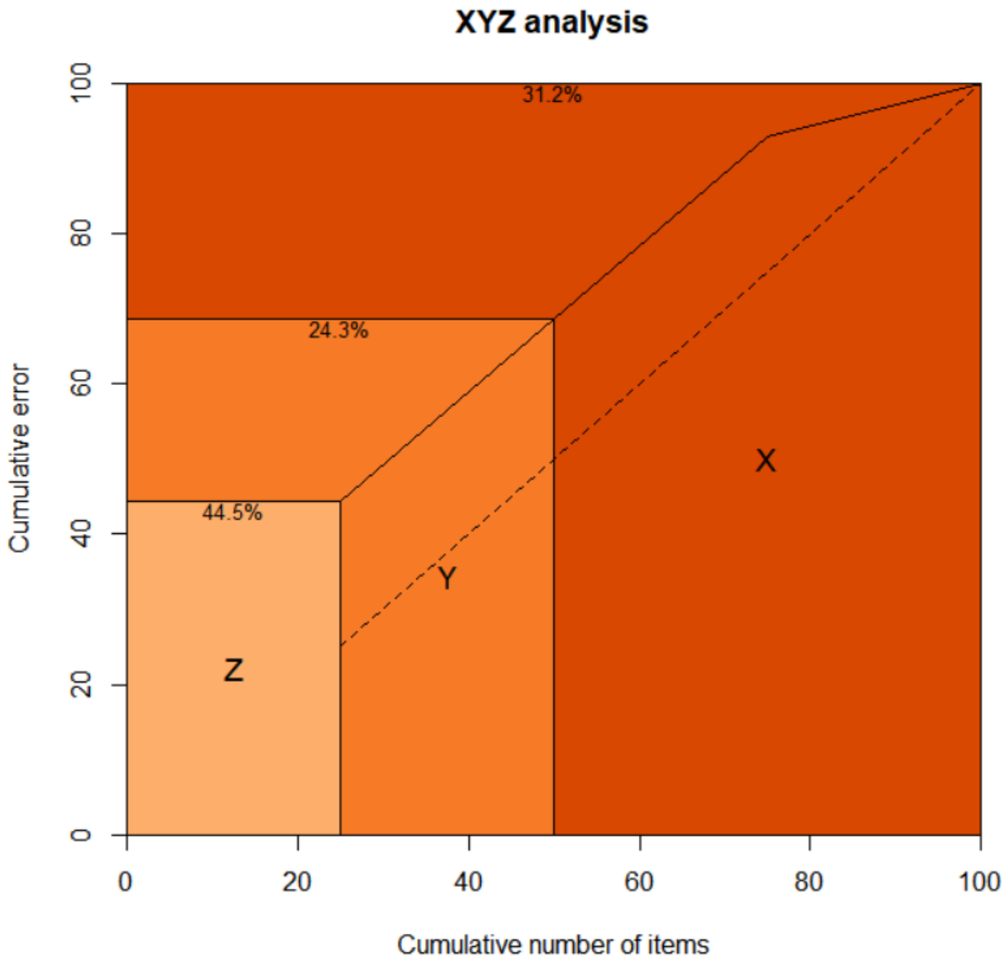
Graphiques gaufres



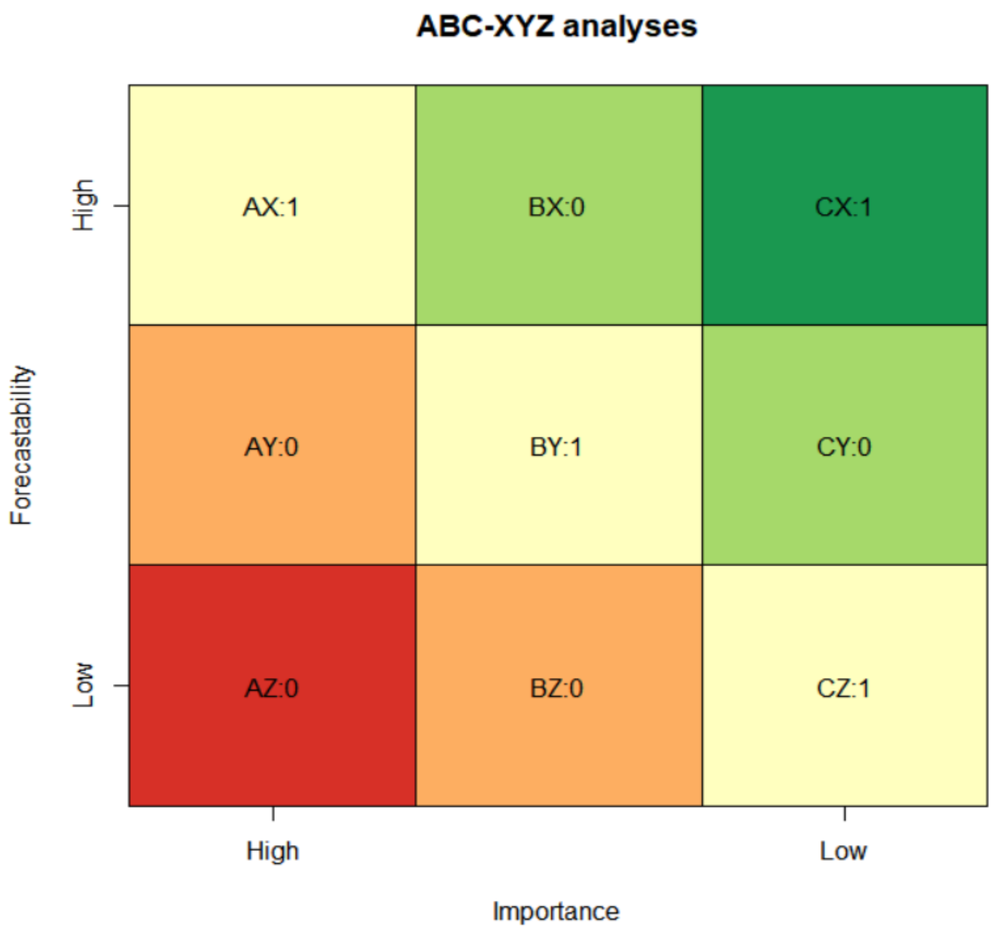
Graphiques ABC (qualité/logistique)



Graphiques XYZ (logistique)

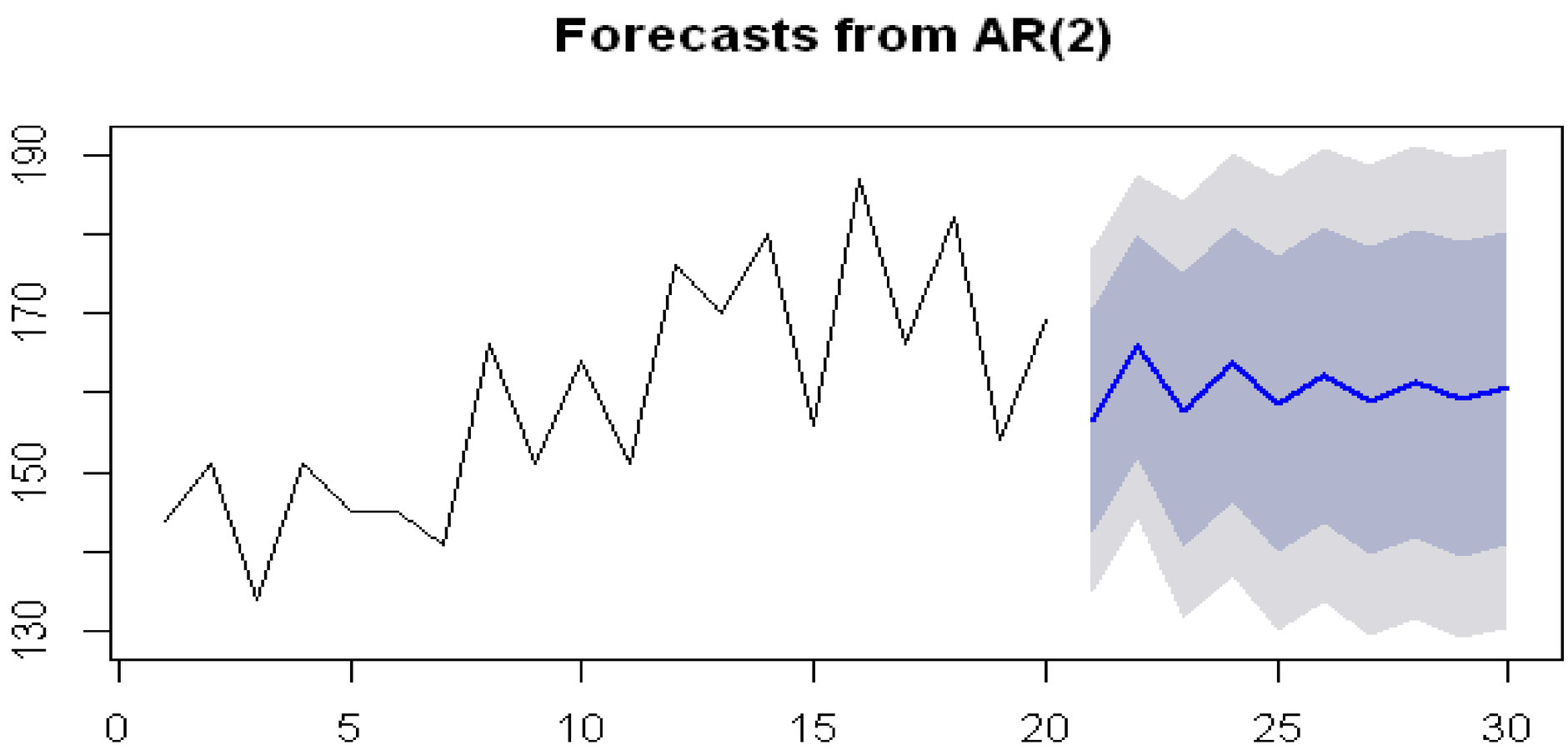


Graphiques matriciels ABC-XYZ

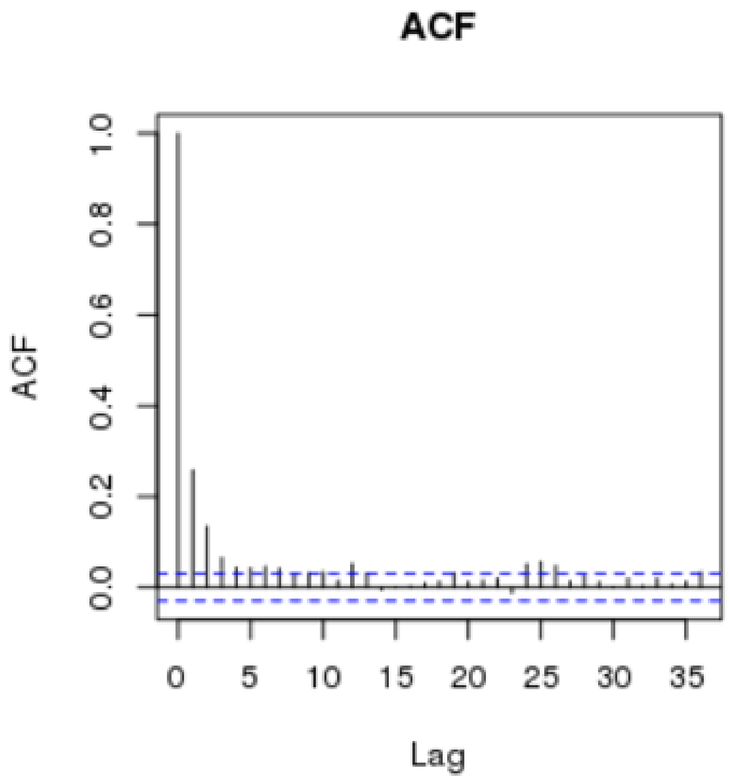


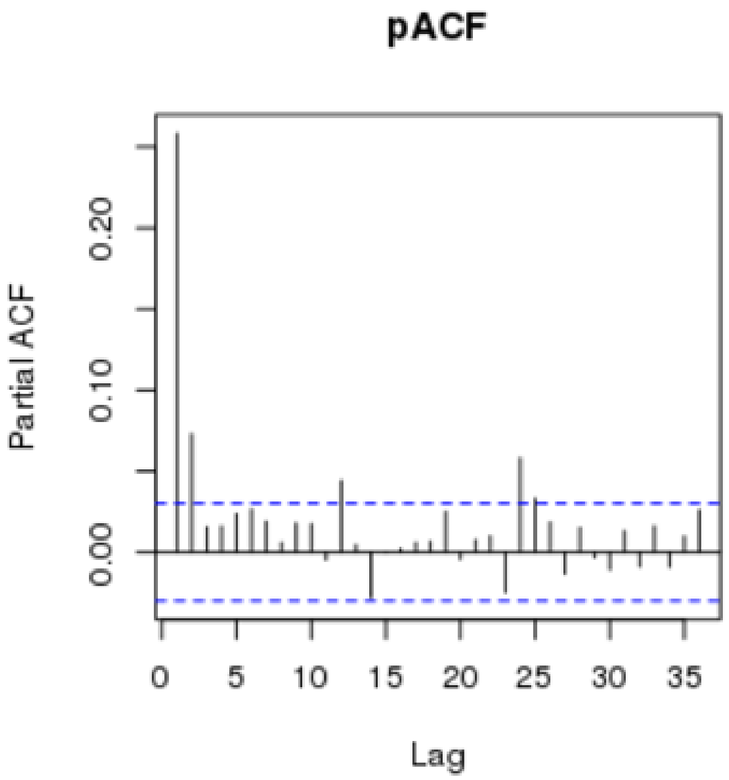
Finance

Graphiques de prévisions (fan graphic)

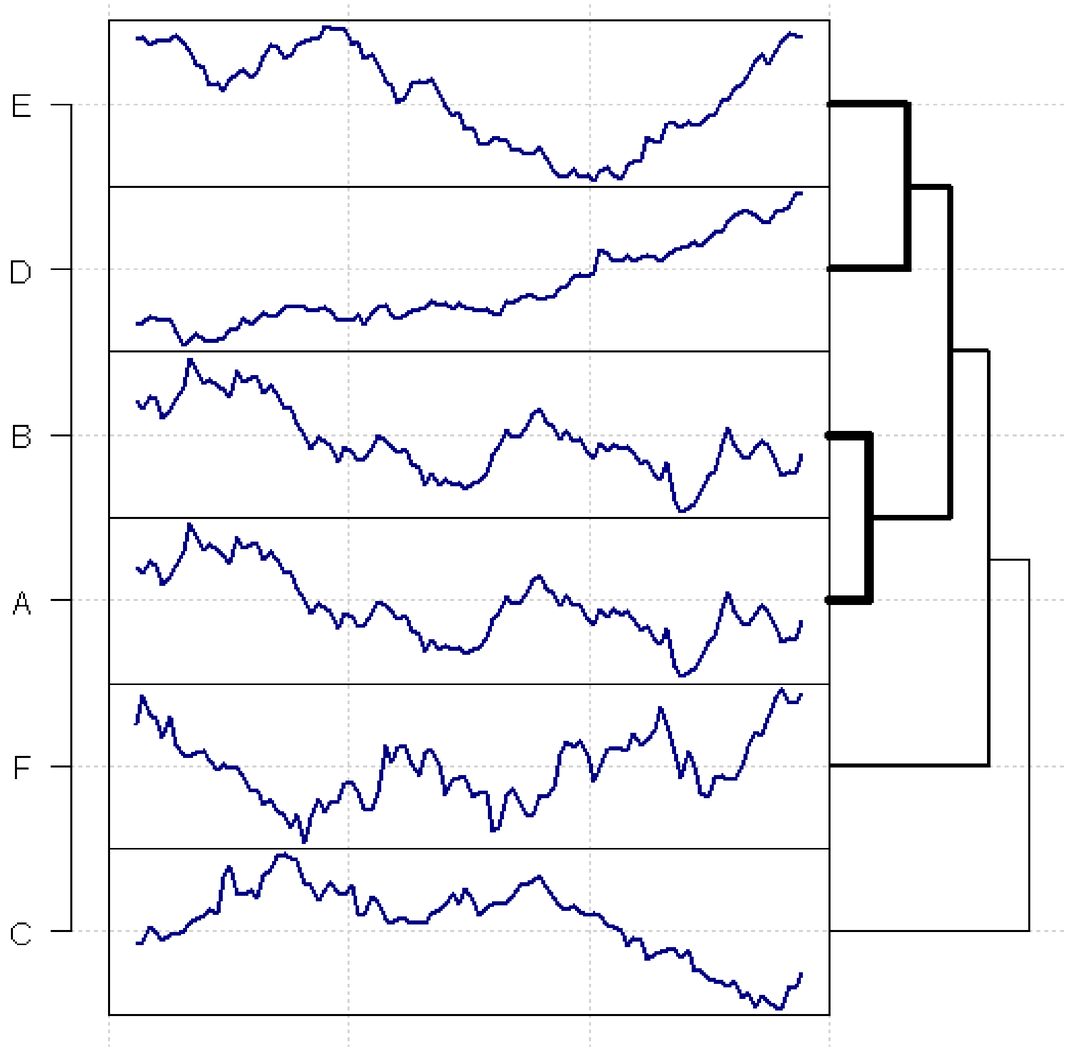


Autocorrélogrammes

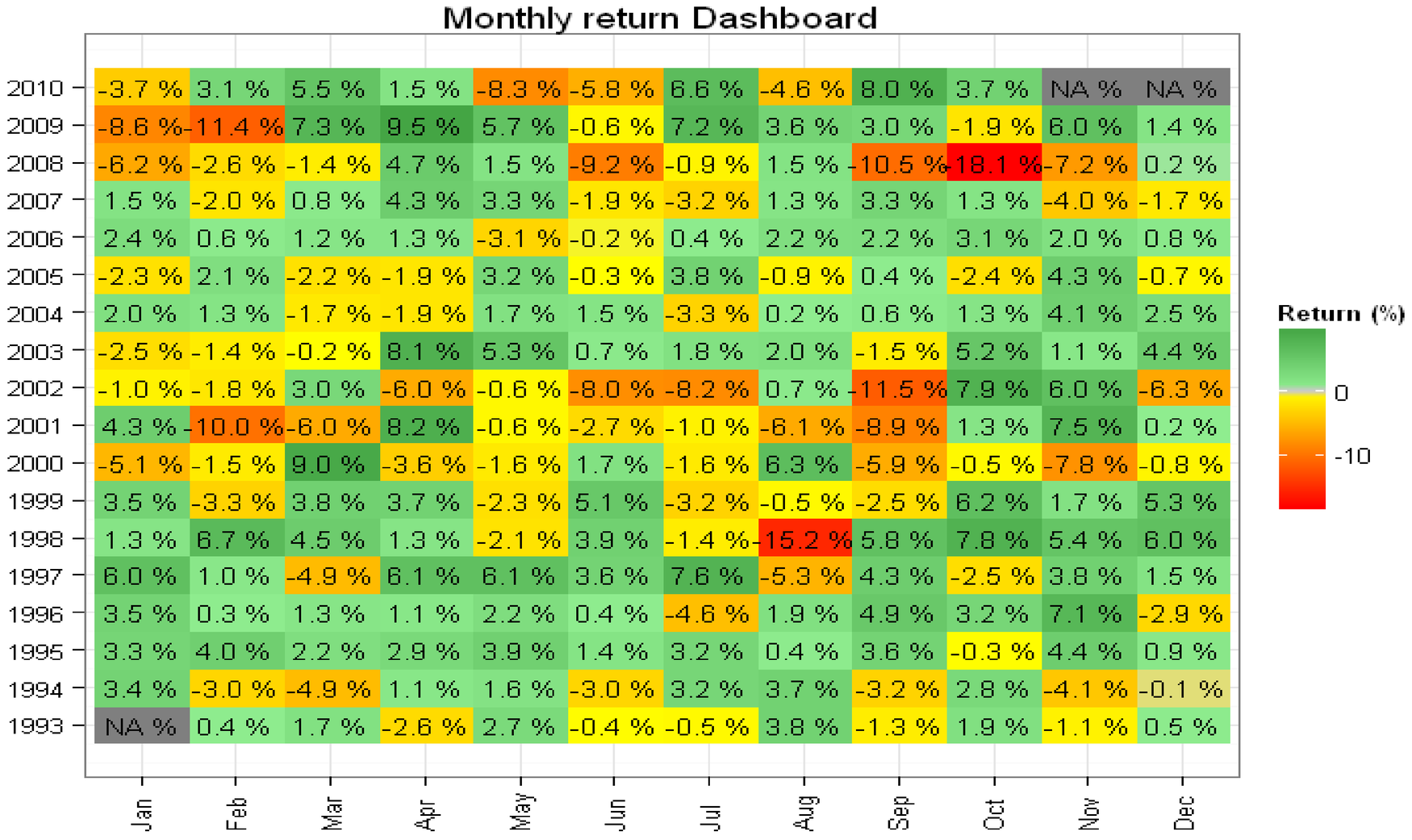




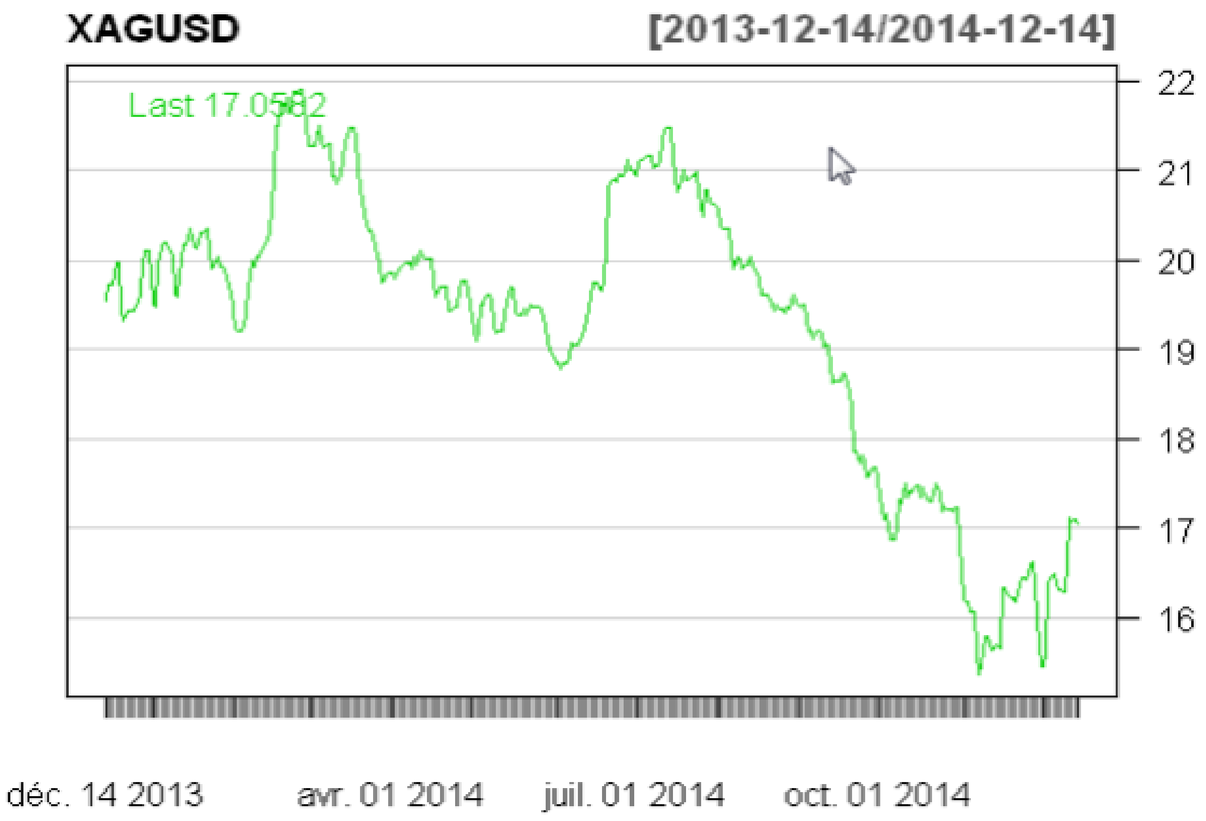
Clustering de séries temporelles



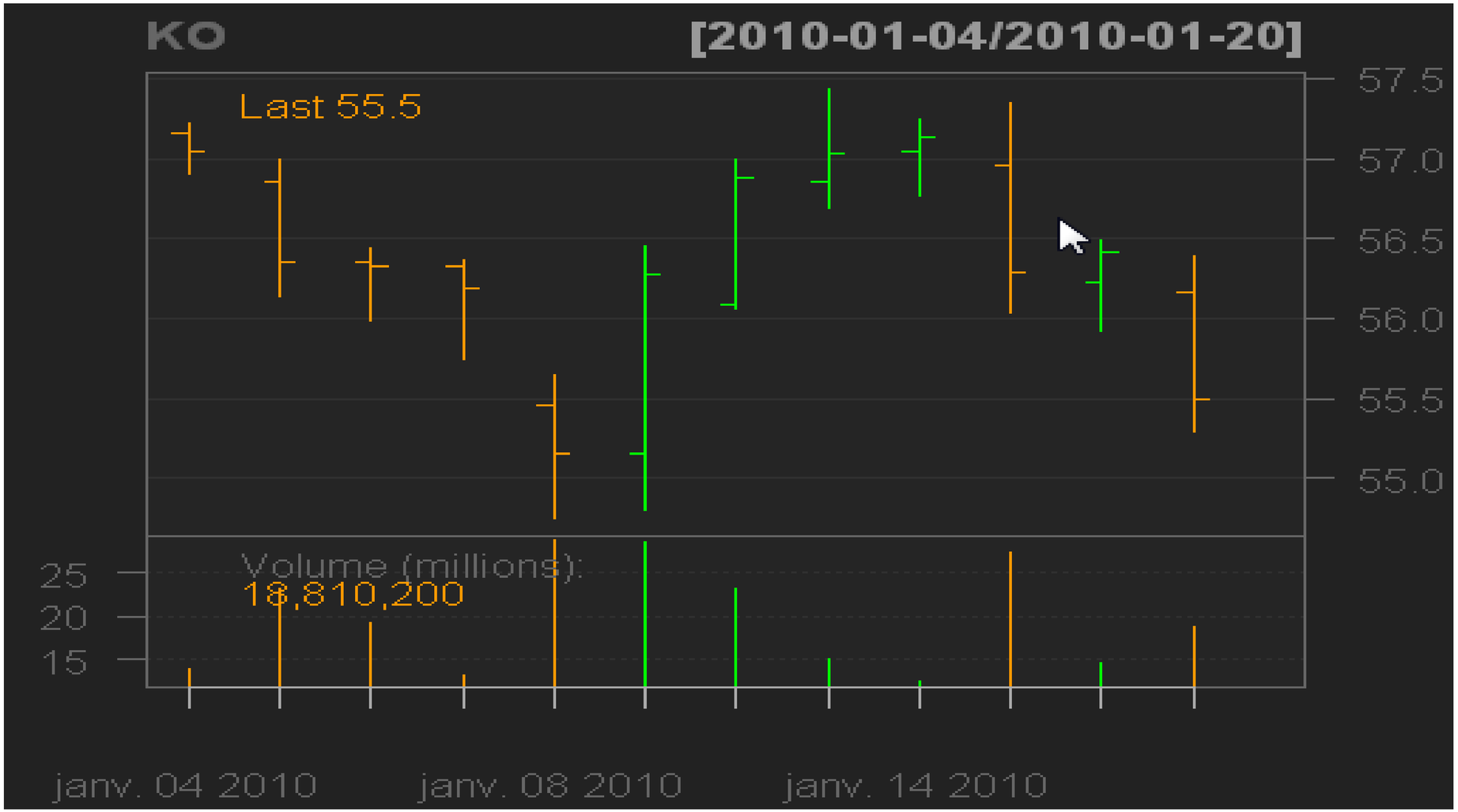
HeatMap rendement



Graphiques de séries chronologiques et à barres



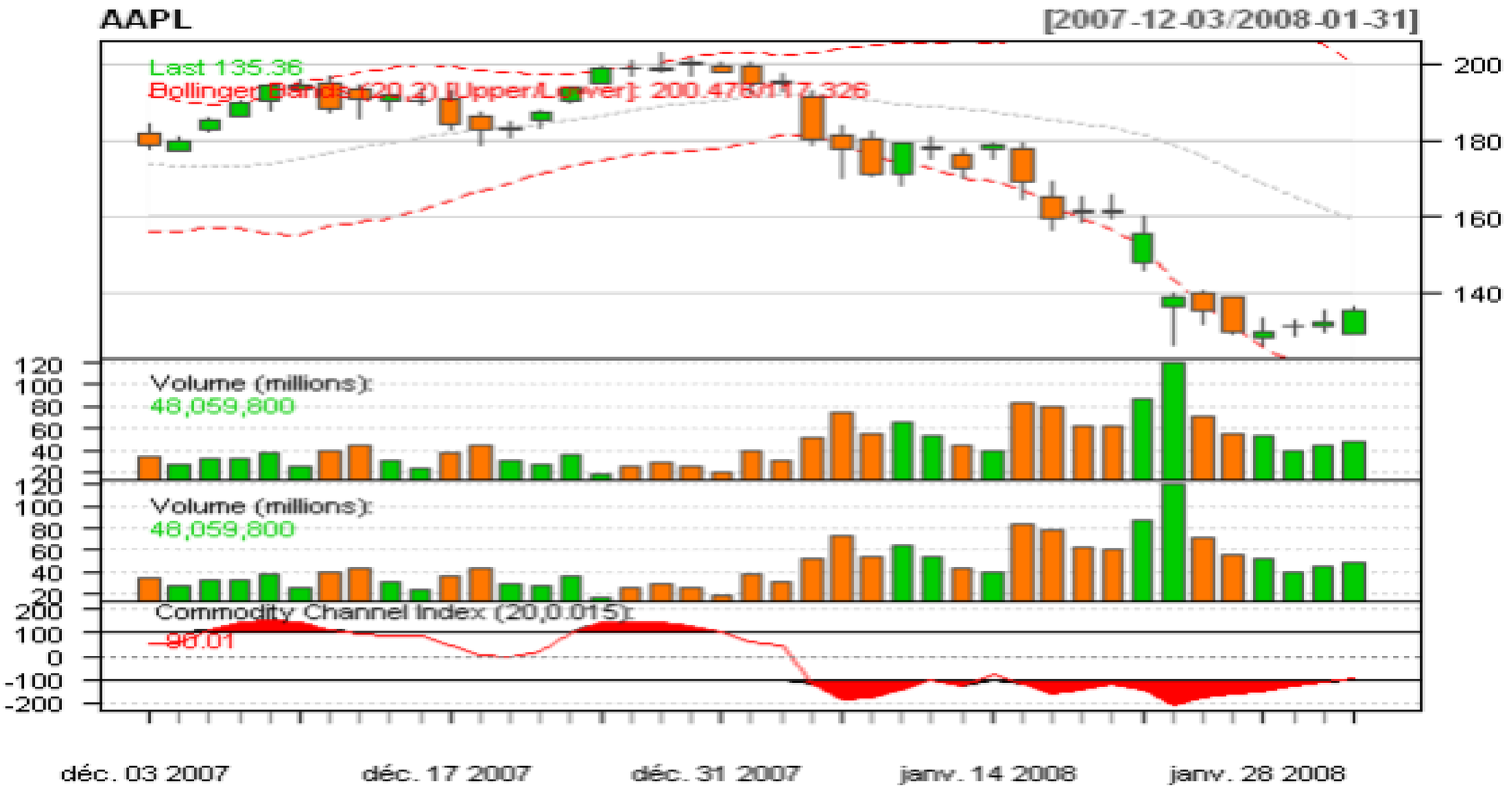
Graphiques à barres OHLC



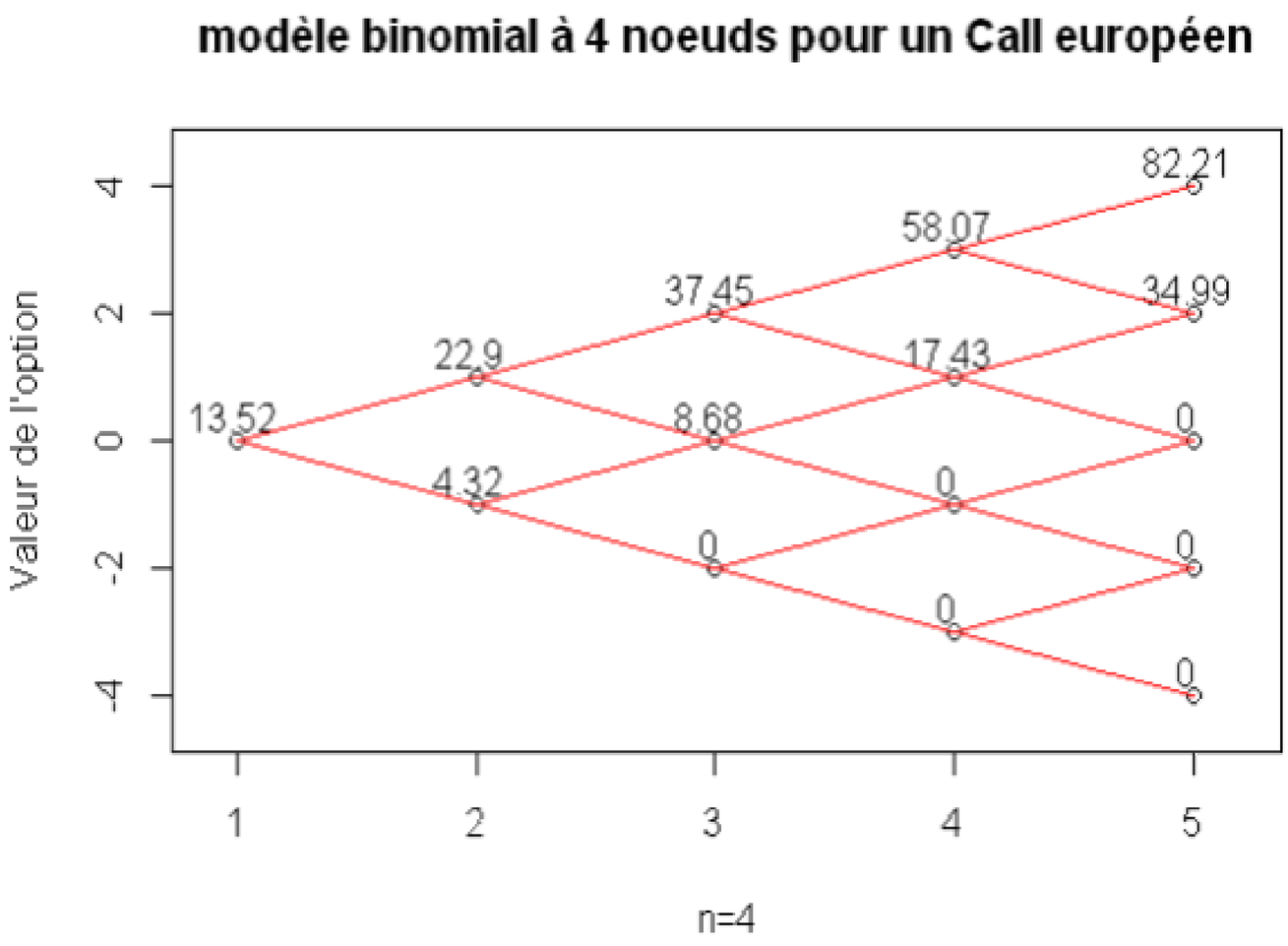
Graphiques en chandeliers OHLC

Chandeliers et barres avec bandes de Bollinger

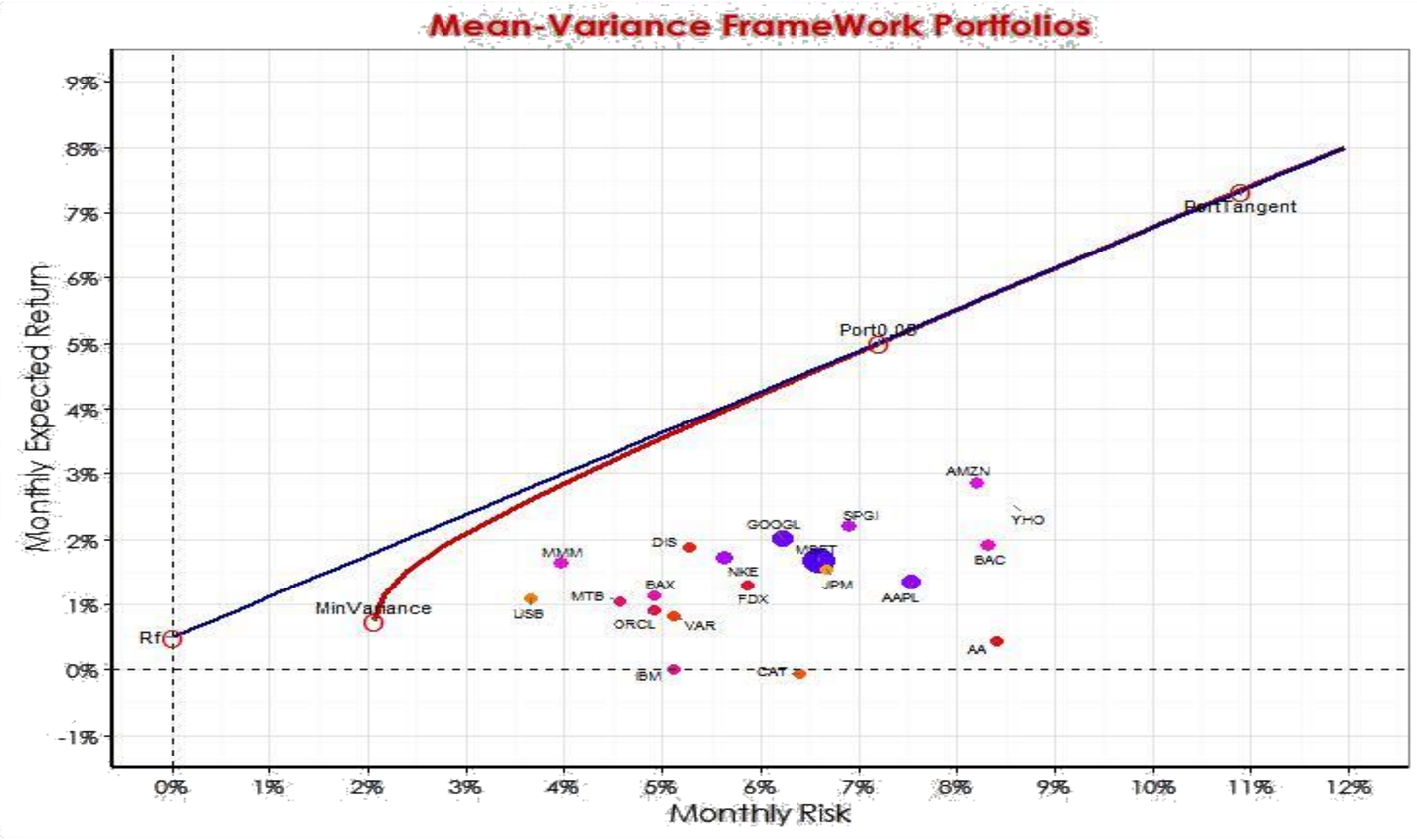
Autre variante avec indice de reférence



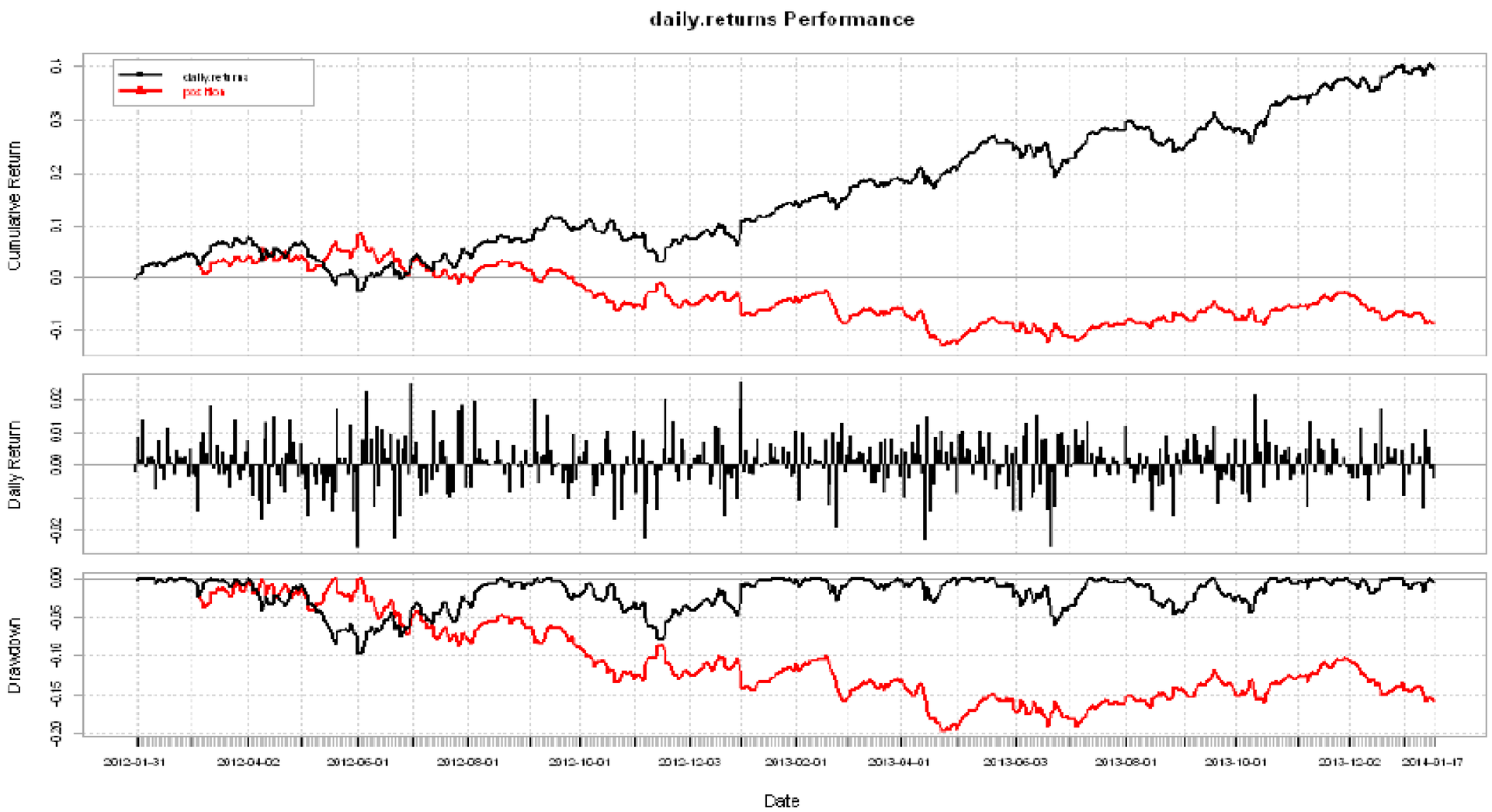
Arbre binômial



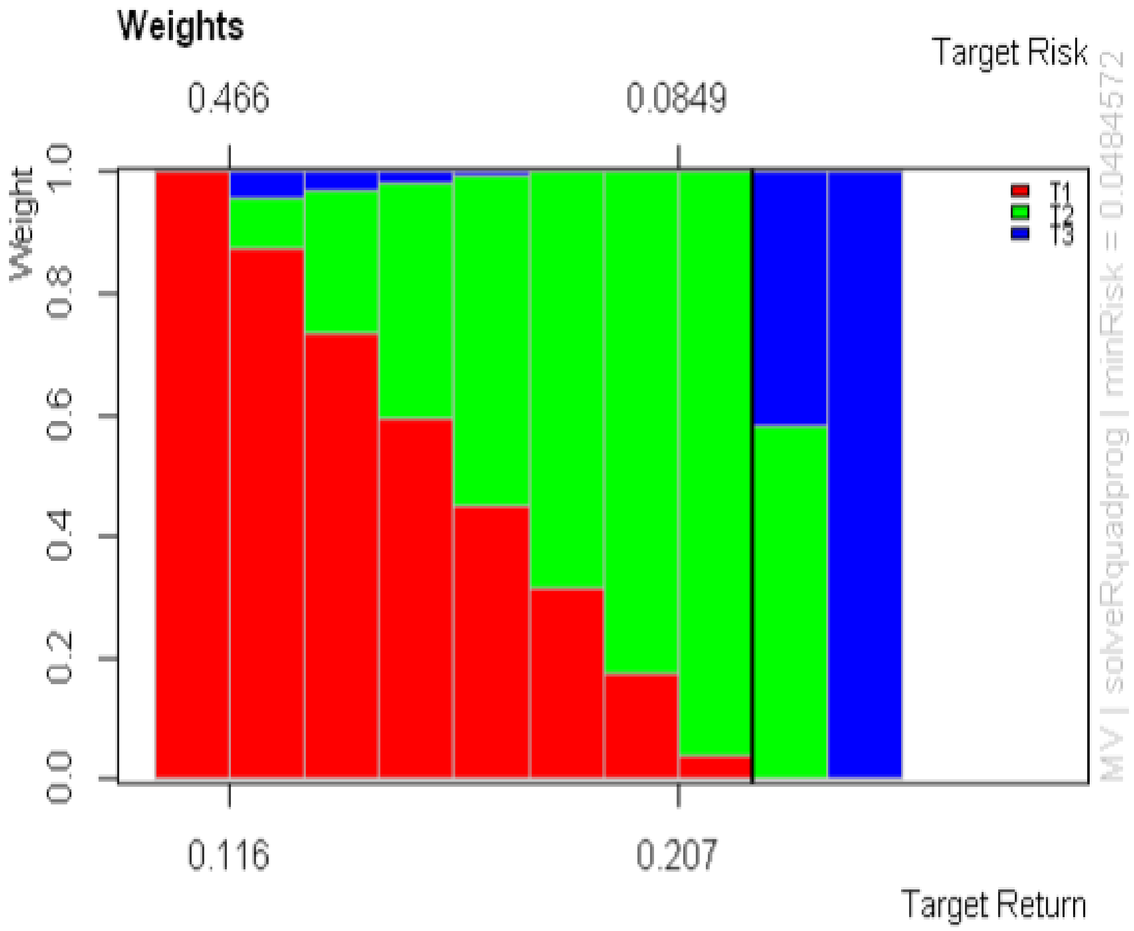
Frontière efficiente et droite de marché

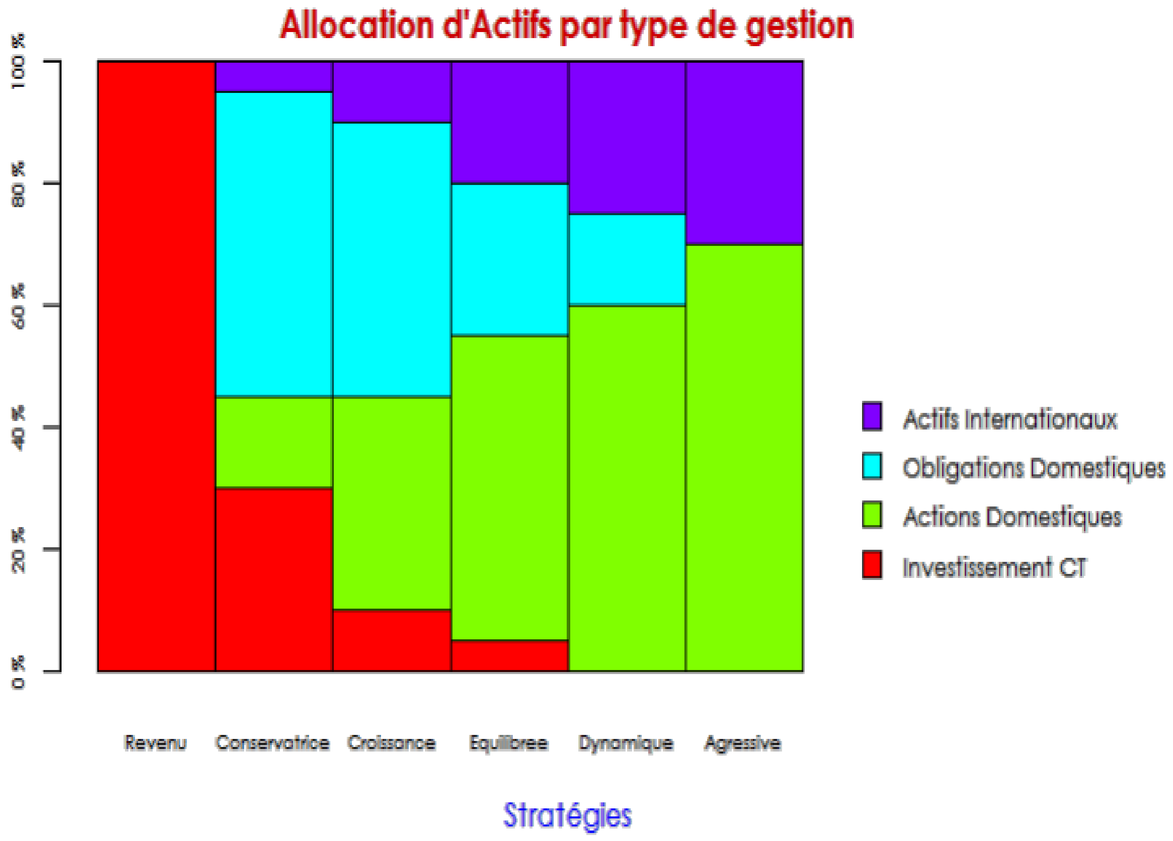


Graphiques de performances



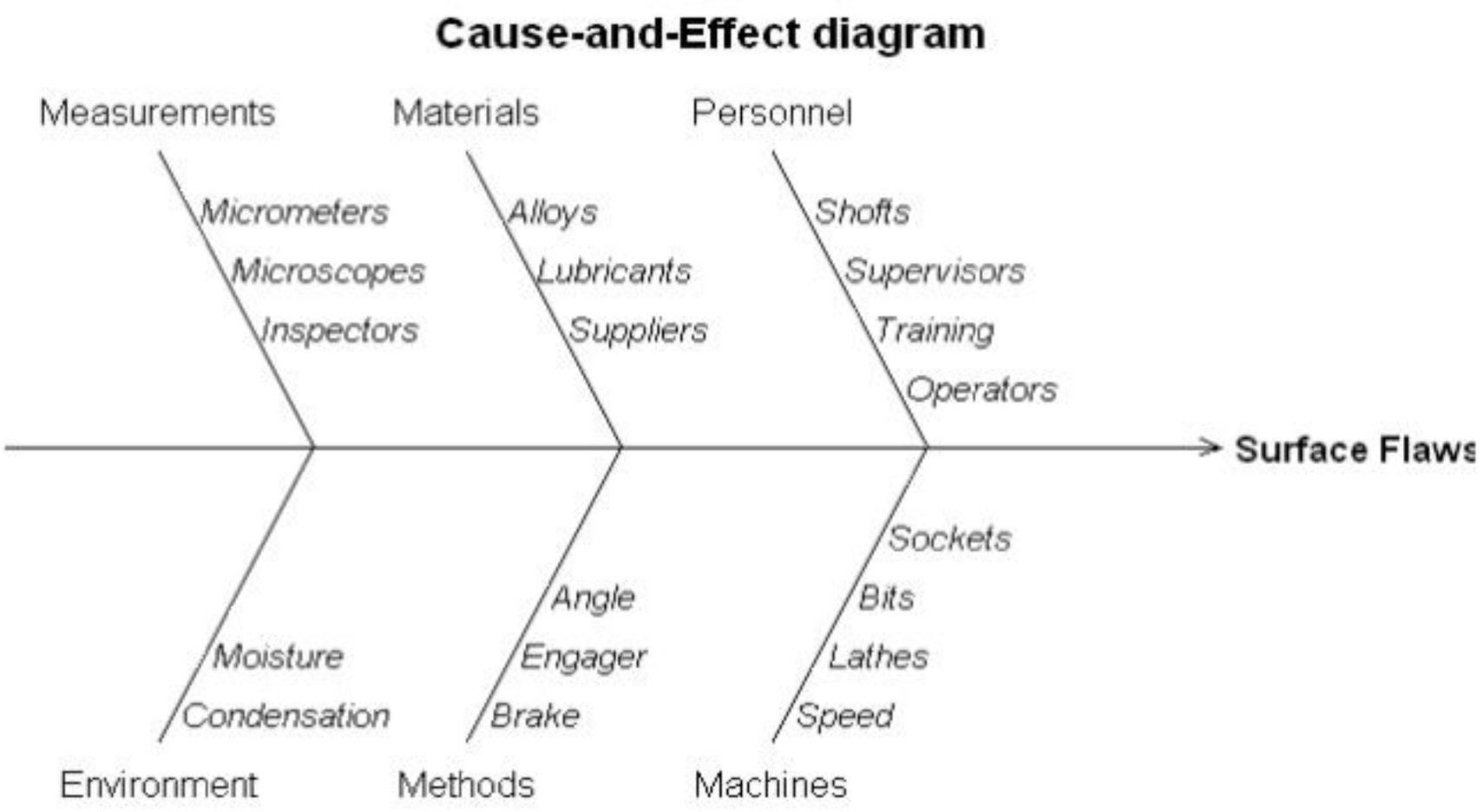
Graphiques d’allocations d’actifs



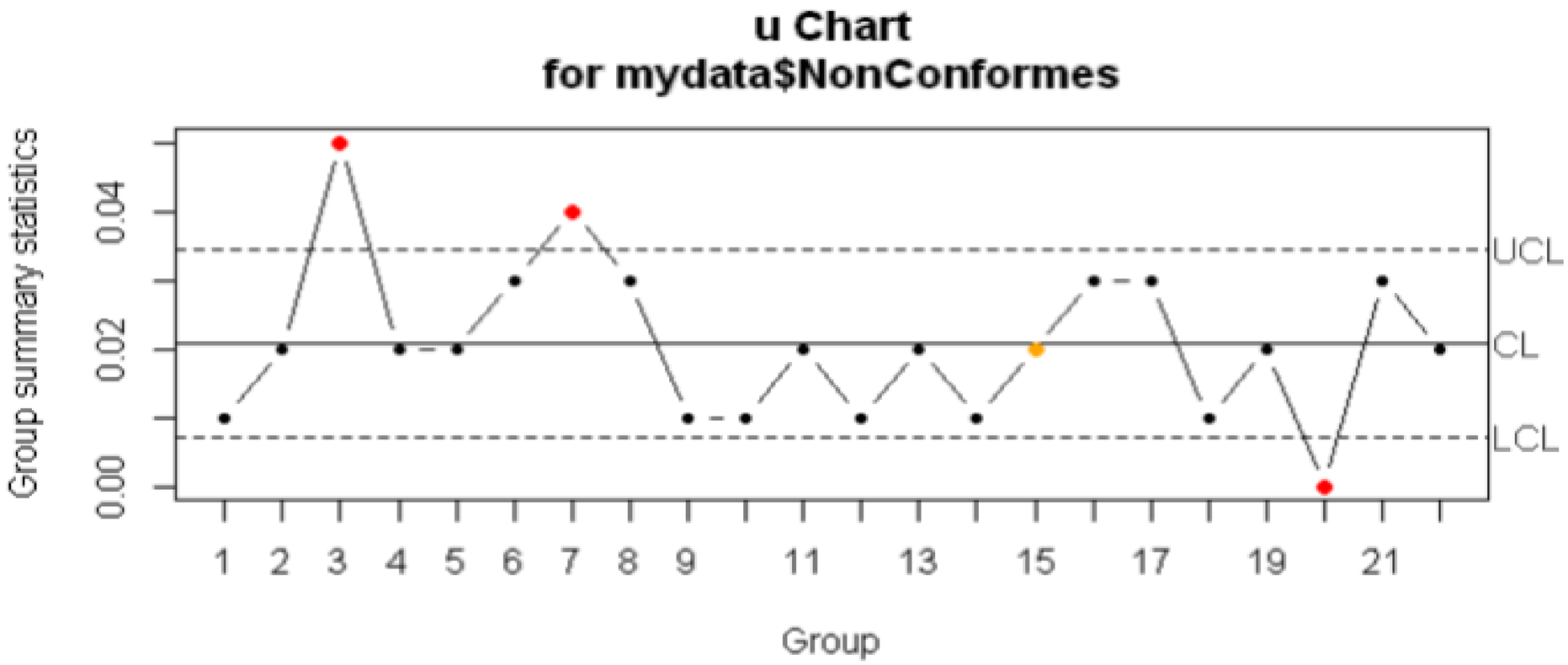


Qualité

Graphiques de causes et effets (Ishikawa)



Carte de contrôle (Six Sigma)

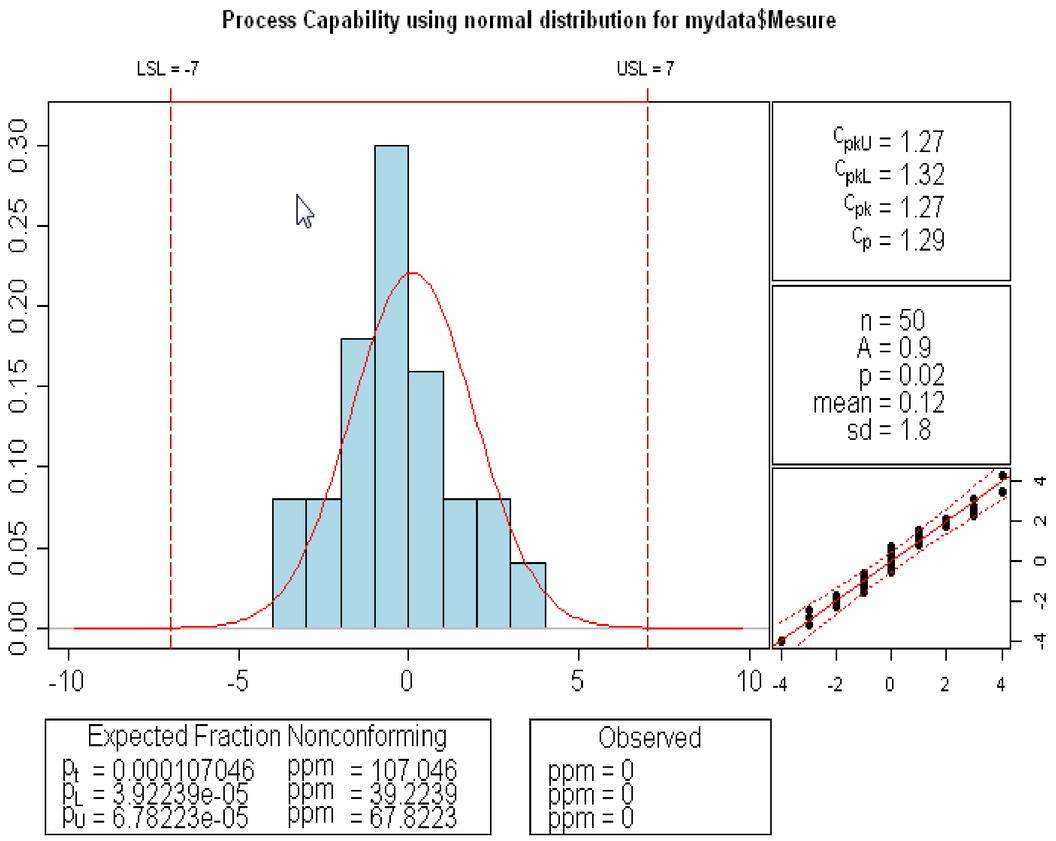


Number of groups = 22
Center = 0.02090909
StdDev = 4.572646

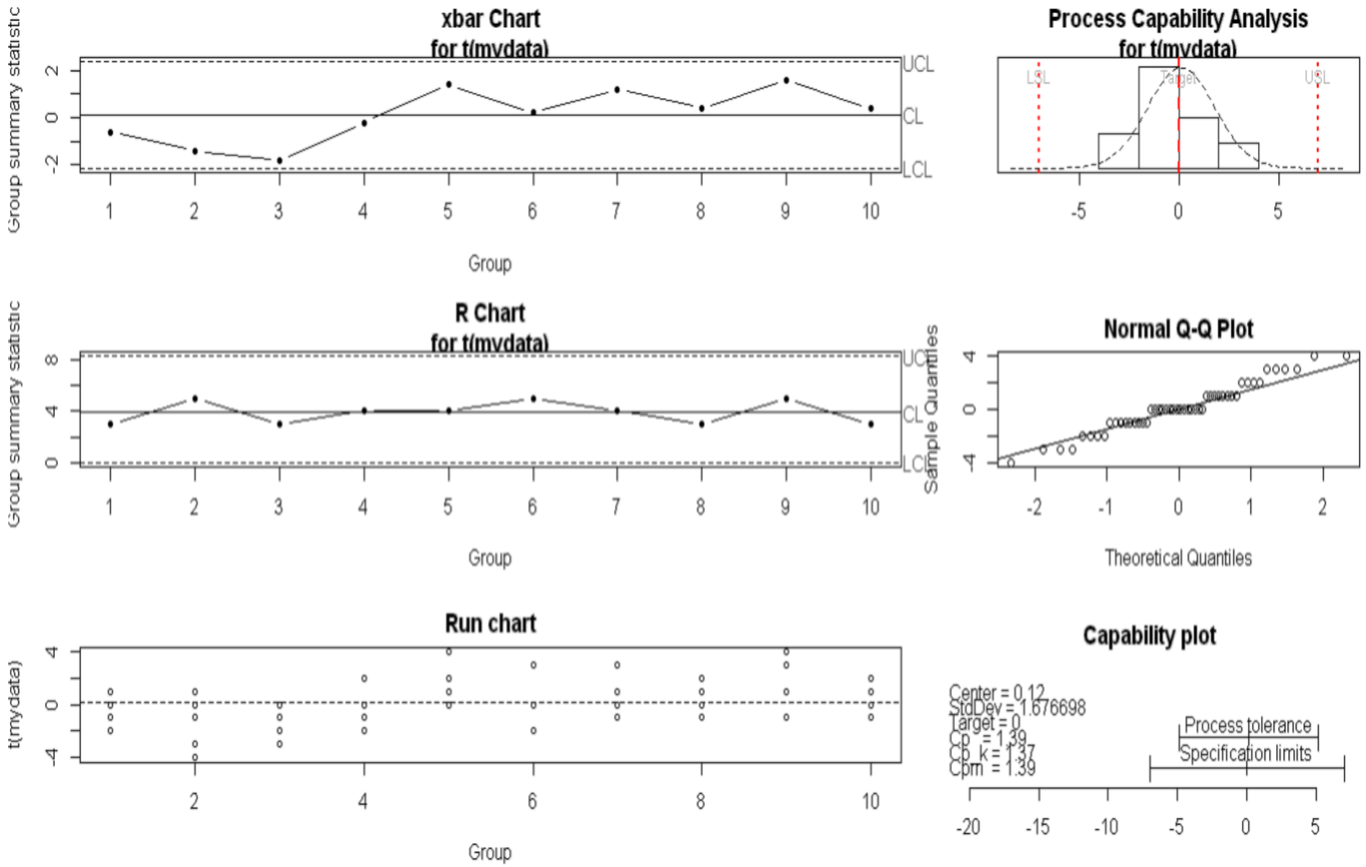
LCL = 0.007191153
UCL = 0.03462703

Number beyond limits = 3
Number violating runs = 1

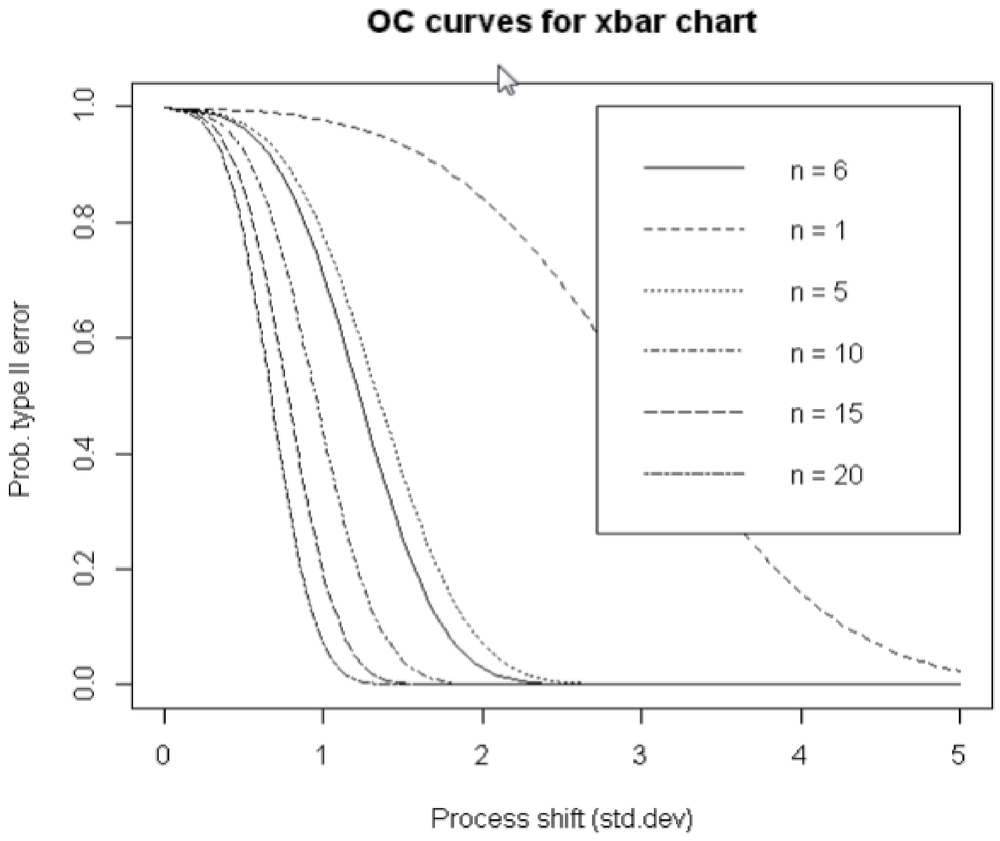
Graphiques de capabilité



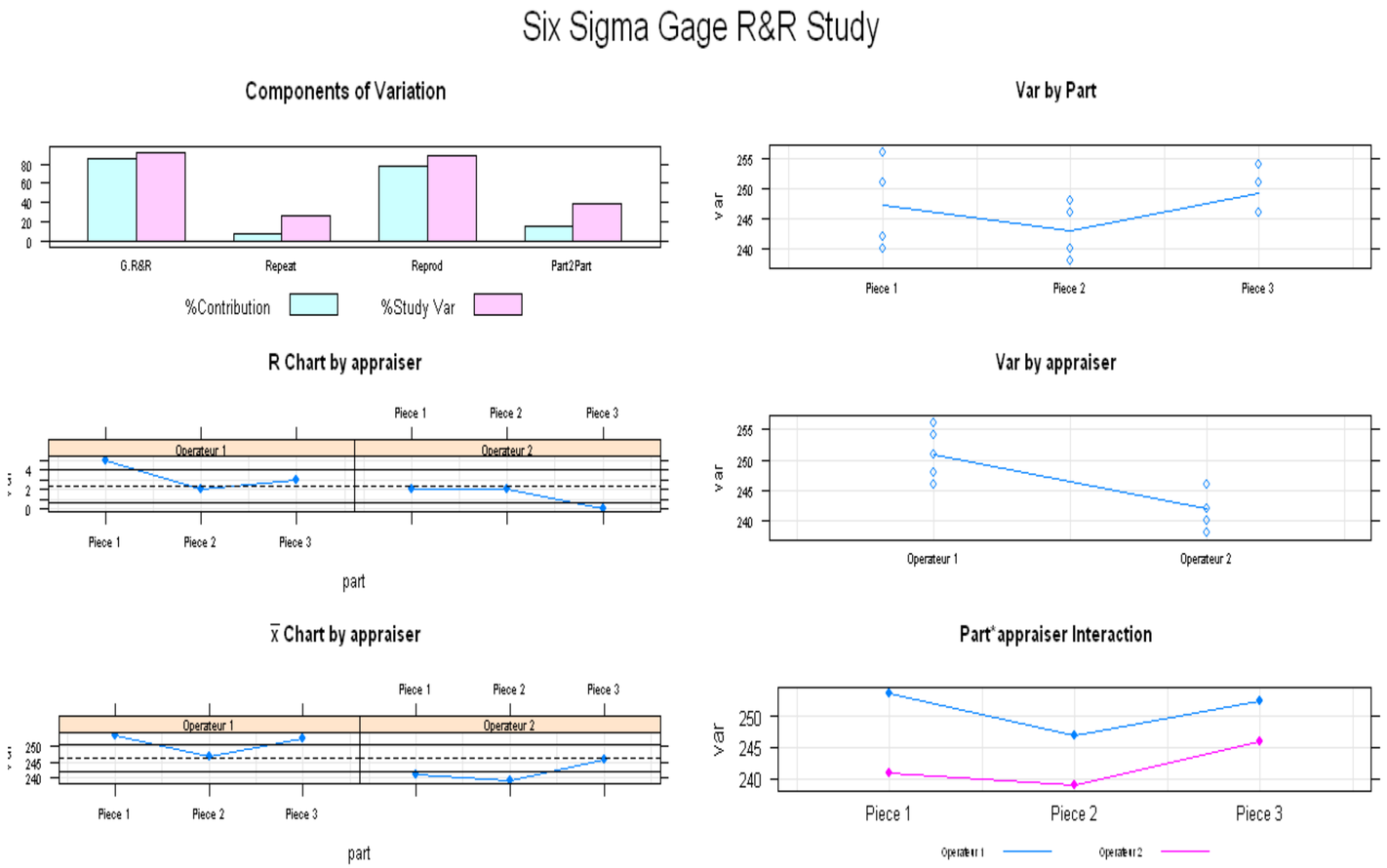
Graphiques Sixpack Analysis



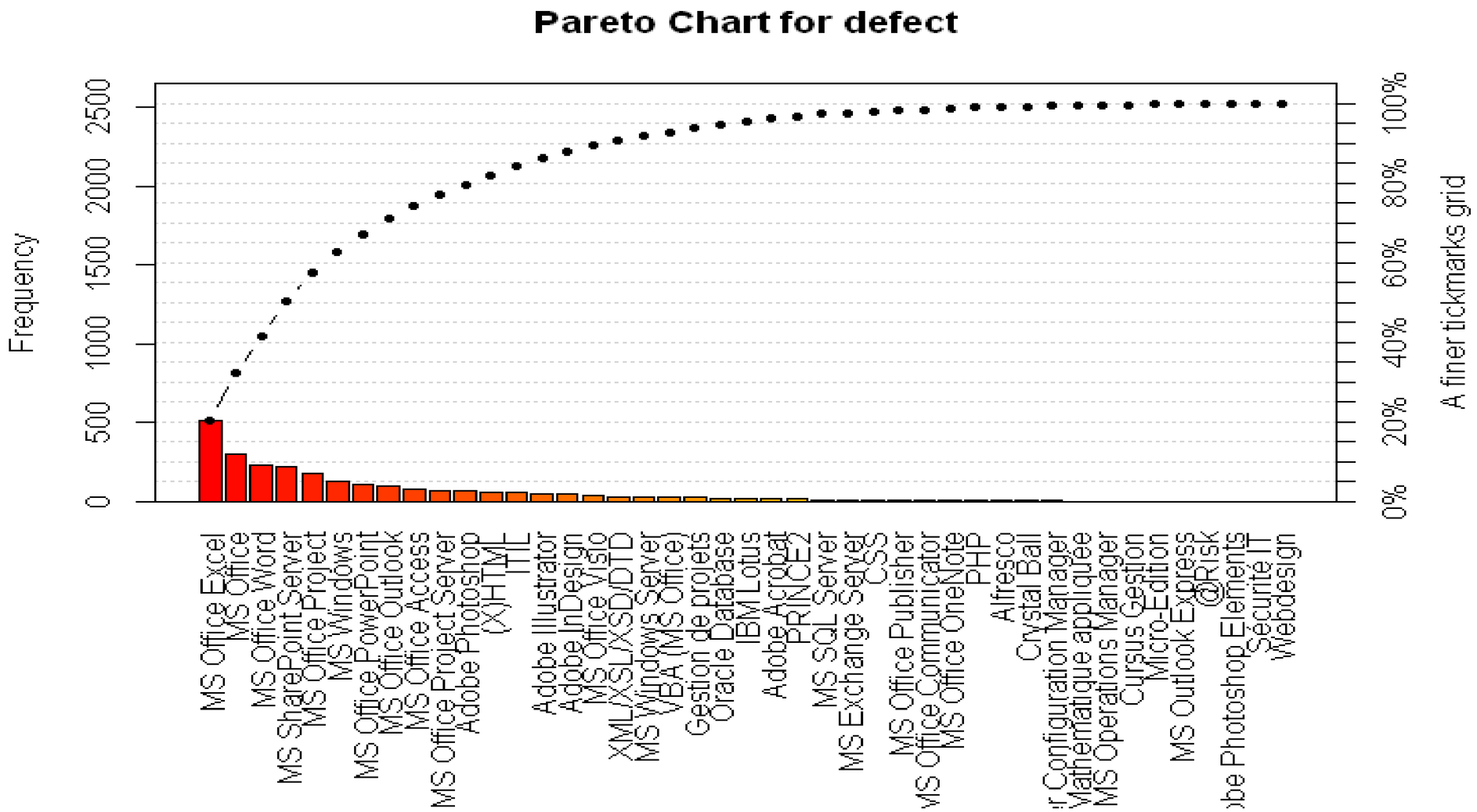
Graphiques Operating Curves (OC)



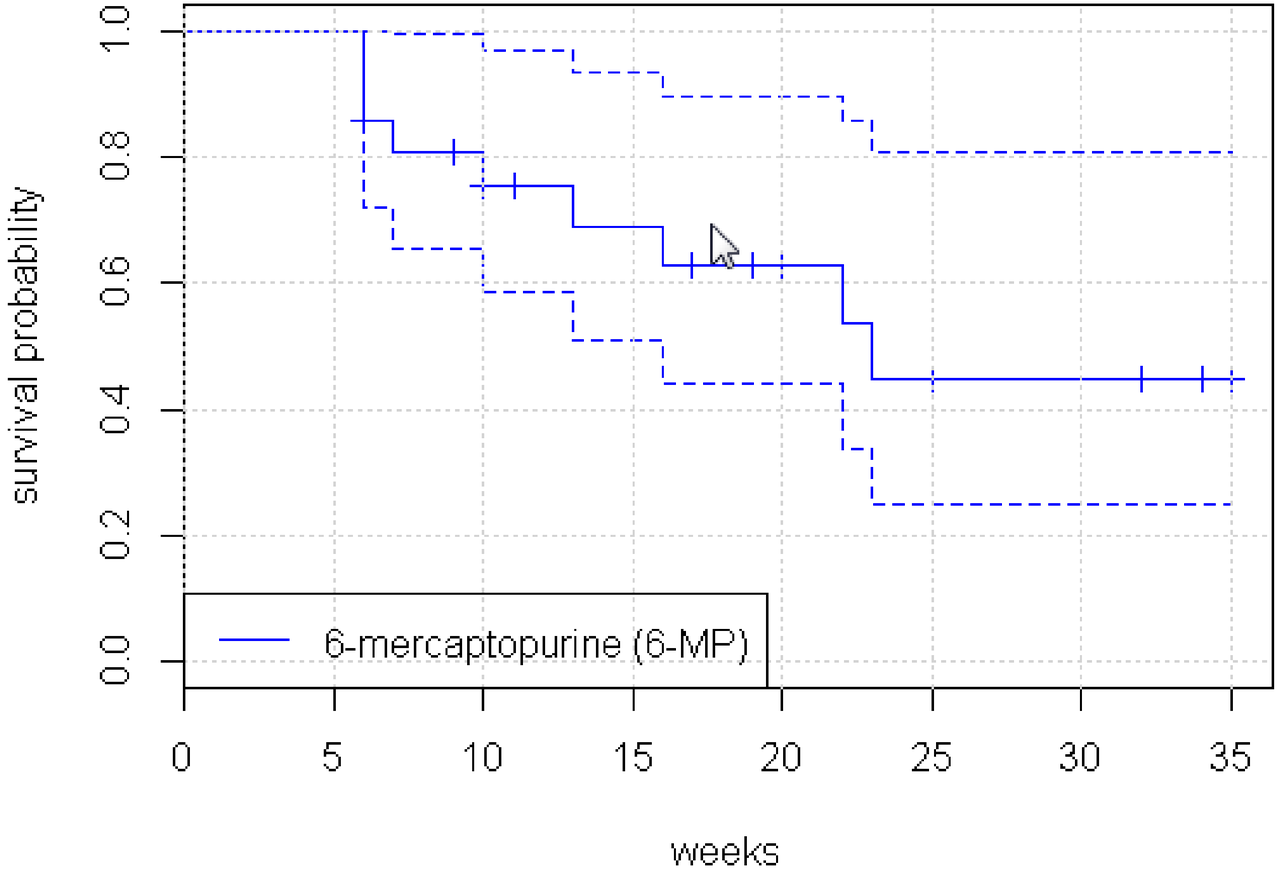
Graphiques R&R

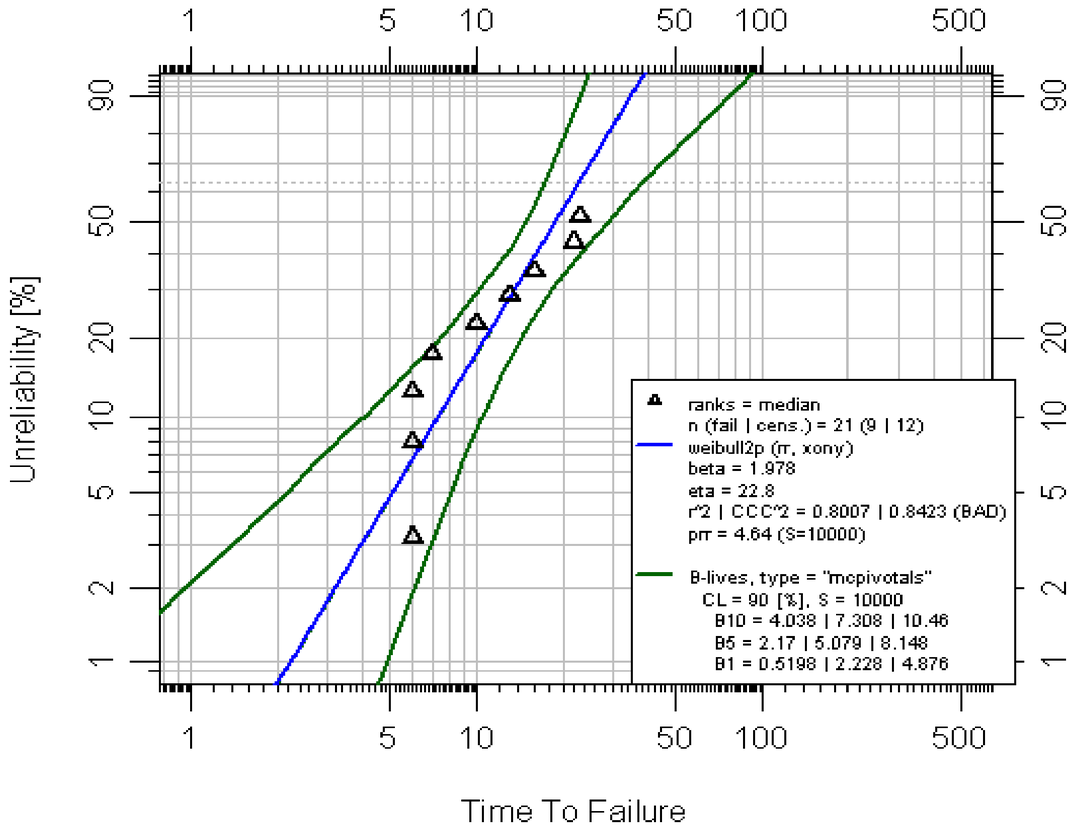


Graphiques de Pareto



Graphiques de survie et fiabilité





Textes/Catégories

Nuage de mots

doc
powerpoint
slide
document
add
software
reporters
title
text
layout
template
table
package
using
color
create
content
layouts
function
can
format
file
use
plot
value
available
addslidedoc
addplotdoc
addpagenumberdoc
slidelayoutsdoc
ordered
documents
example
show
level
respectively
hyperlink
choose
titlemain
illustrated
measurements
vanillatabledata
underlined
source
formatting
family
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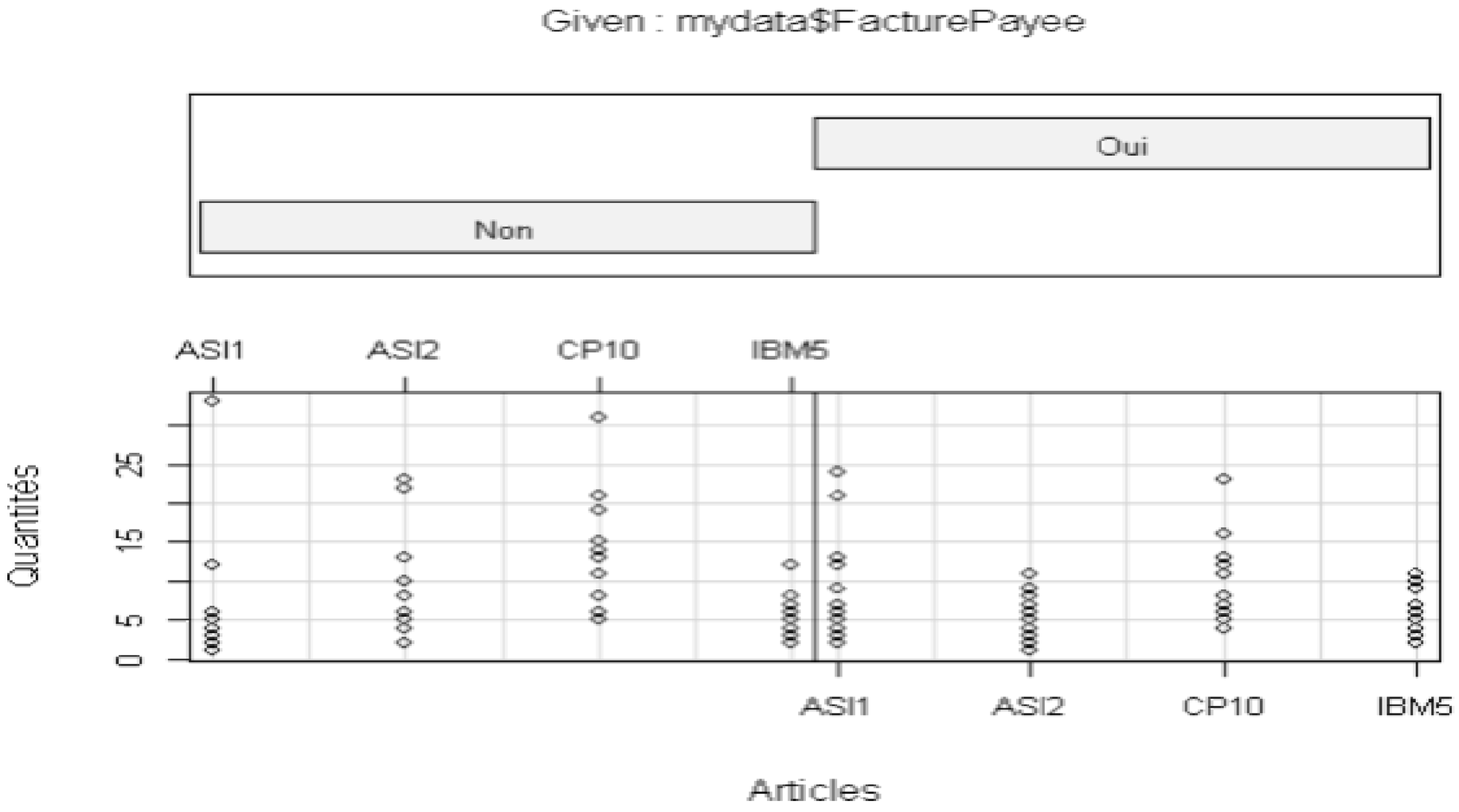
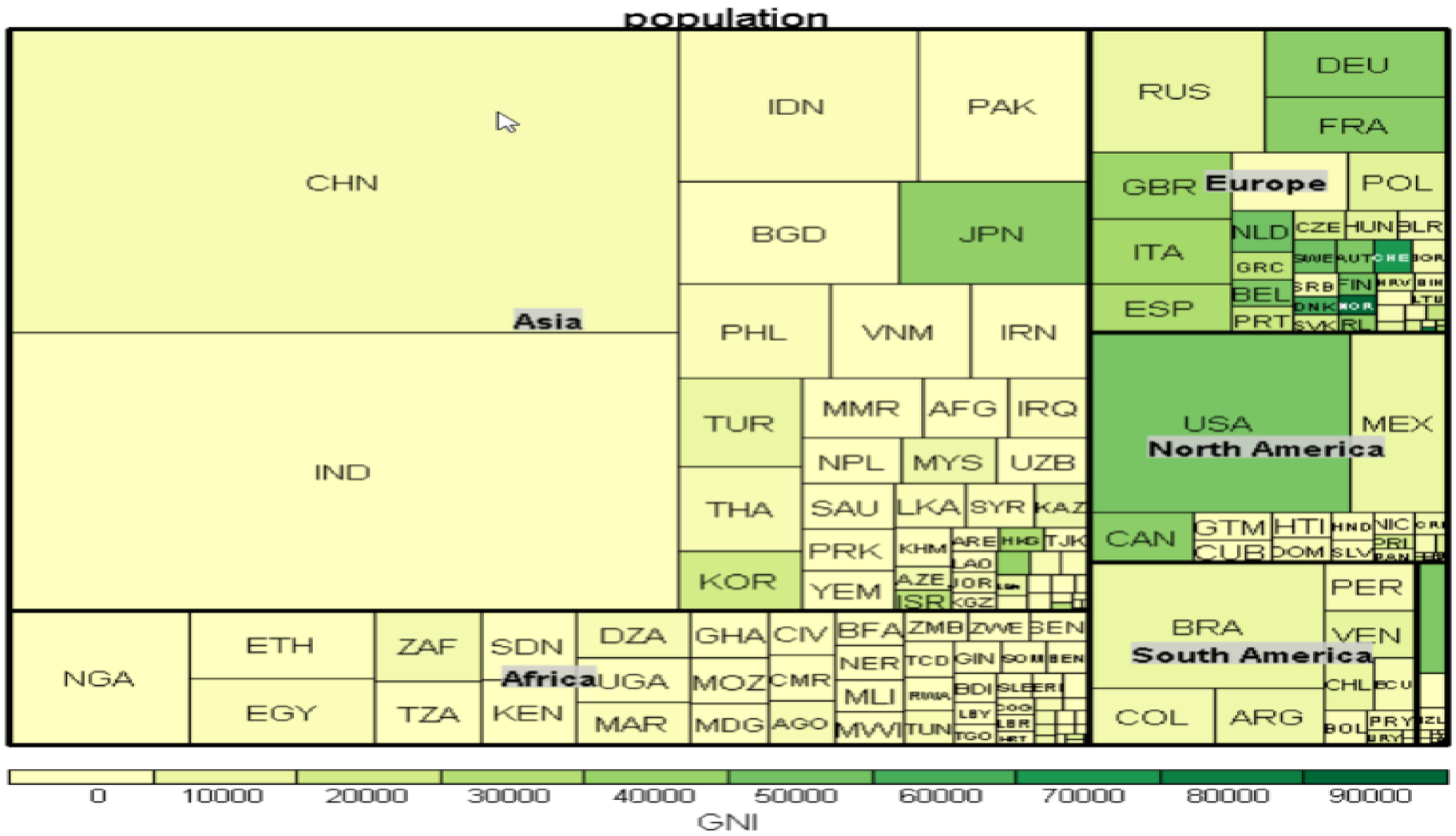
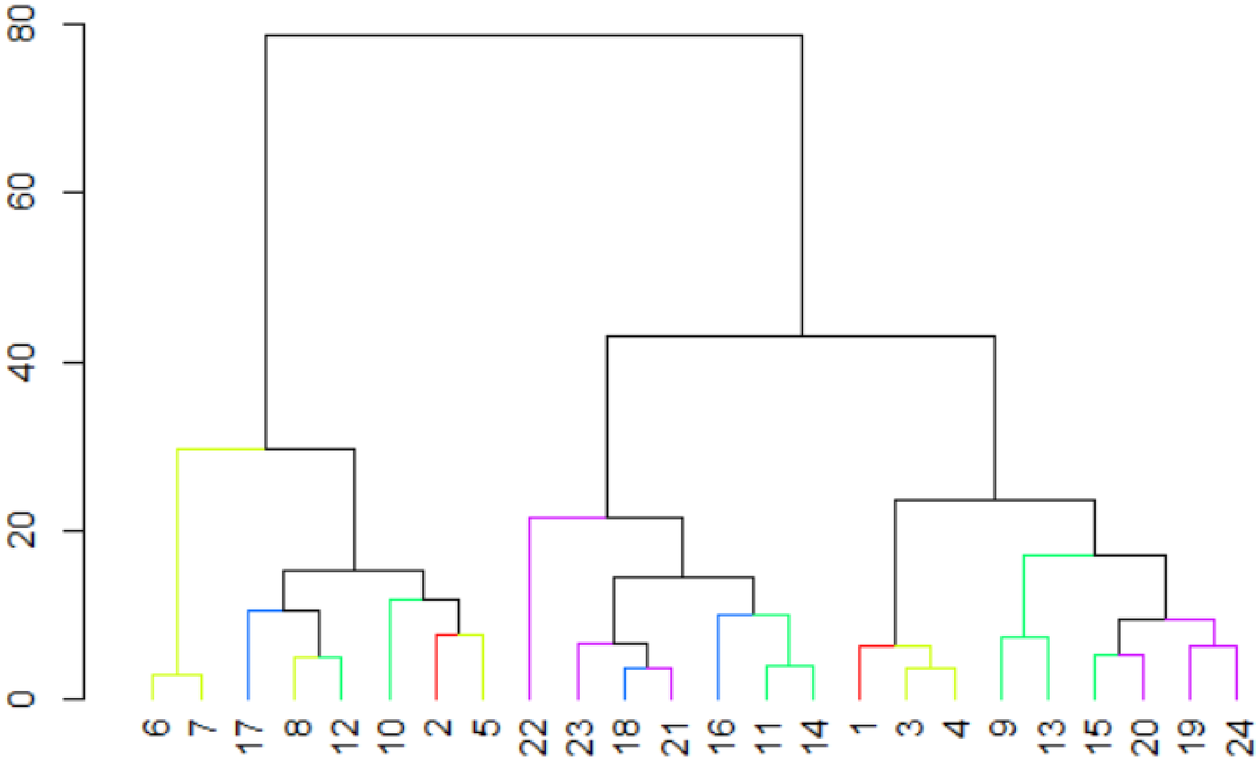
Co-diagrammes



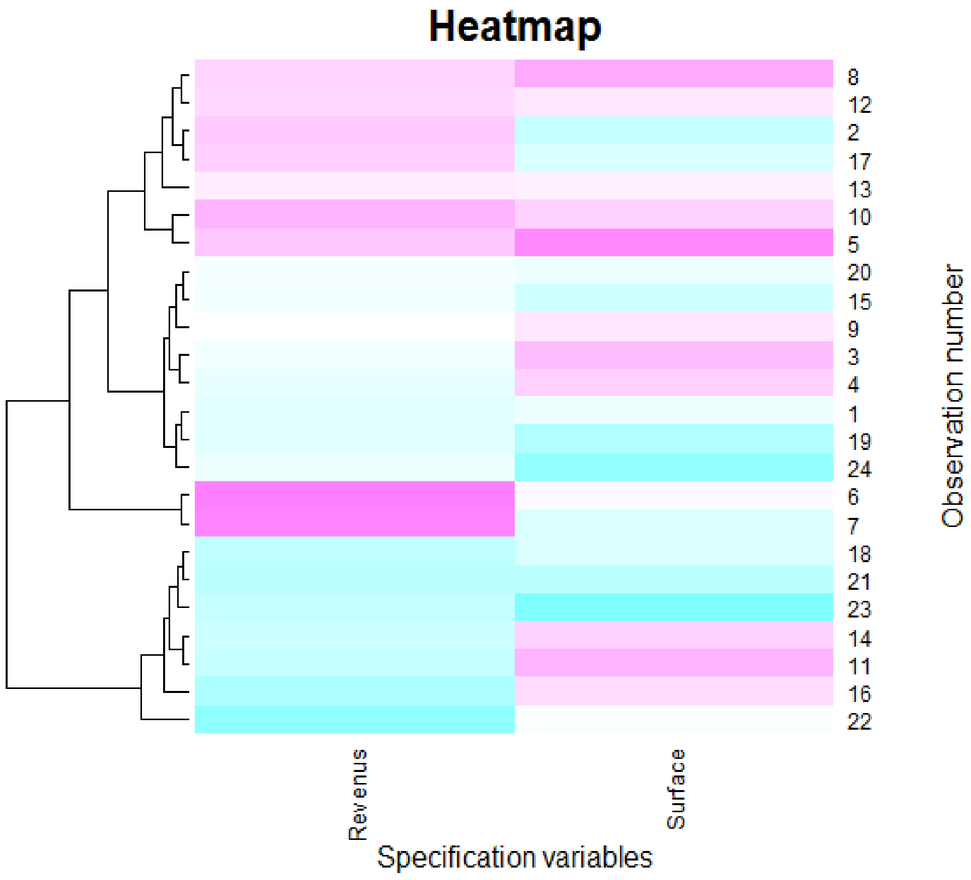
Carte proportionnelle ou carte à cases

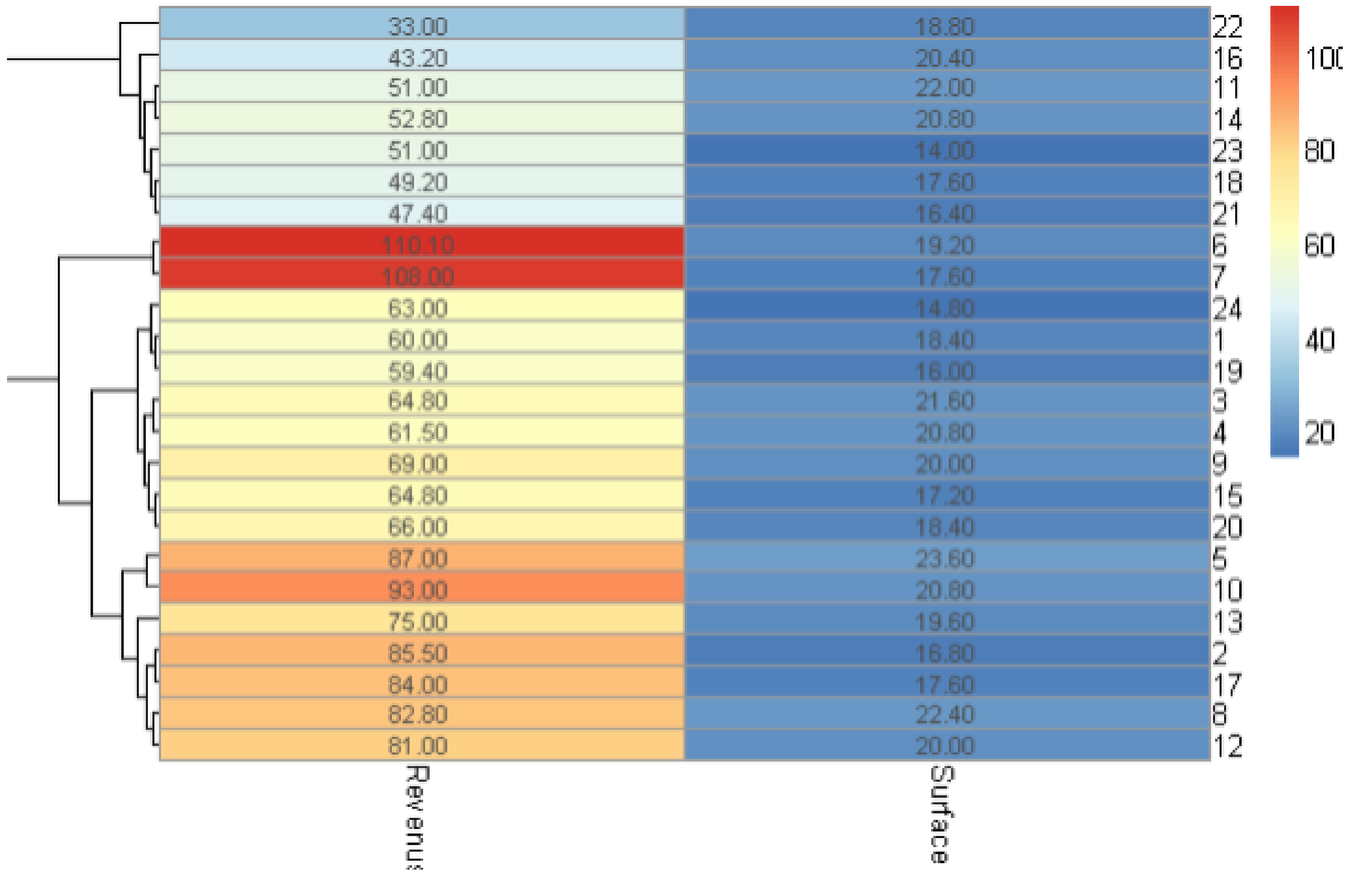


Dendrogrammes

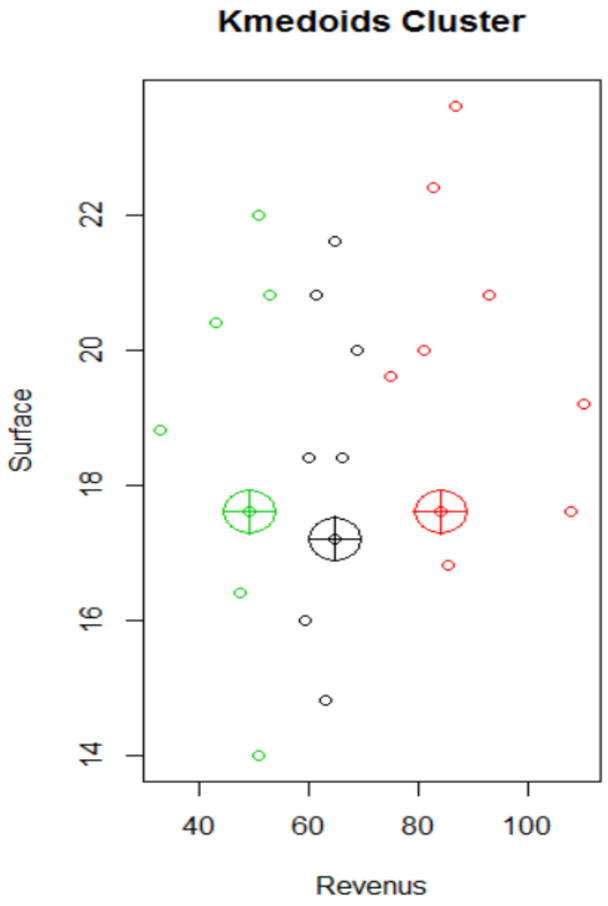


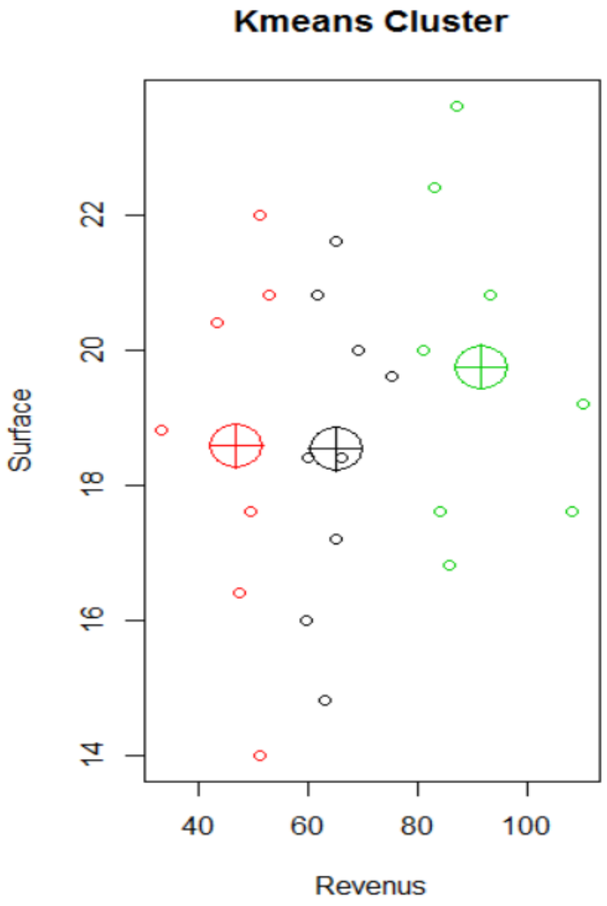
Carte de chaleur (heatmap)

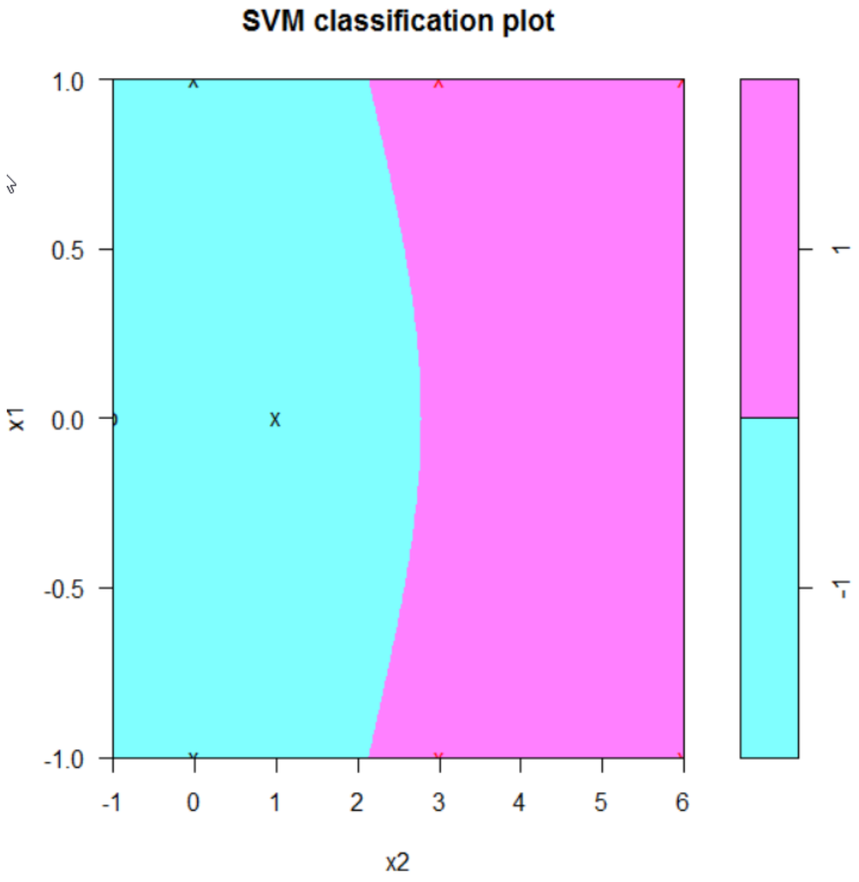




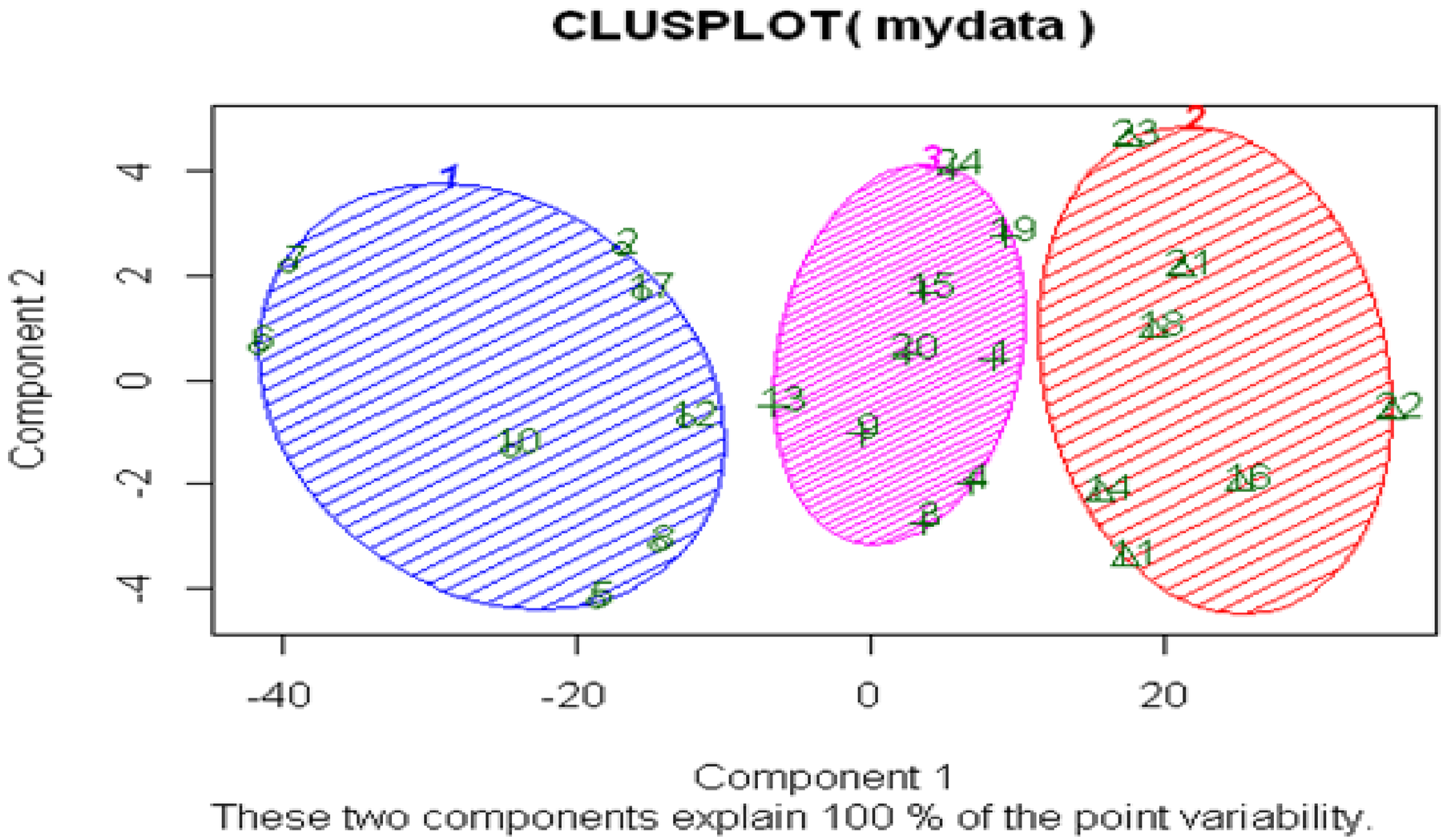
Graphiques de classification



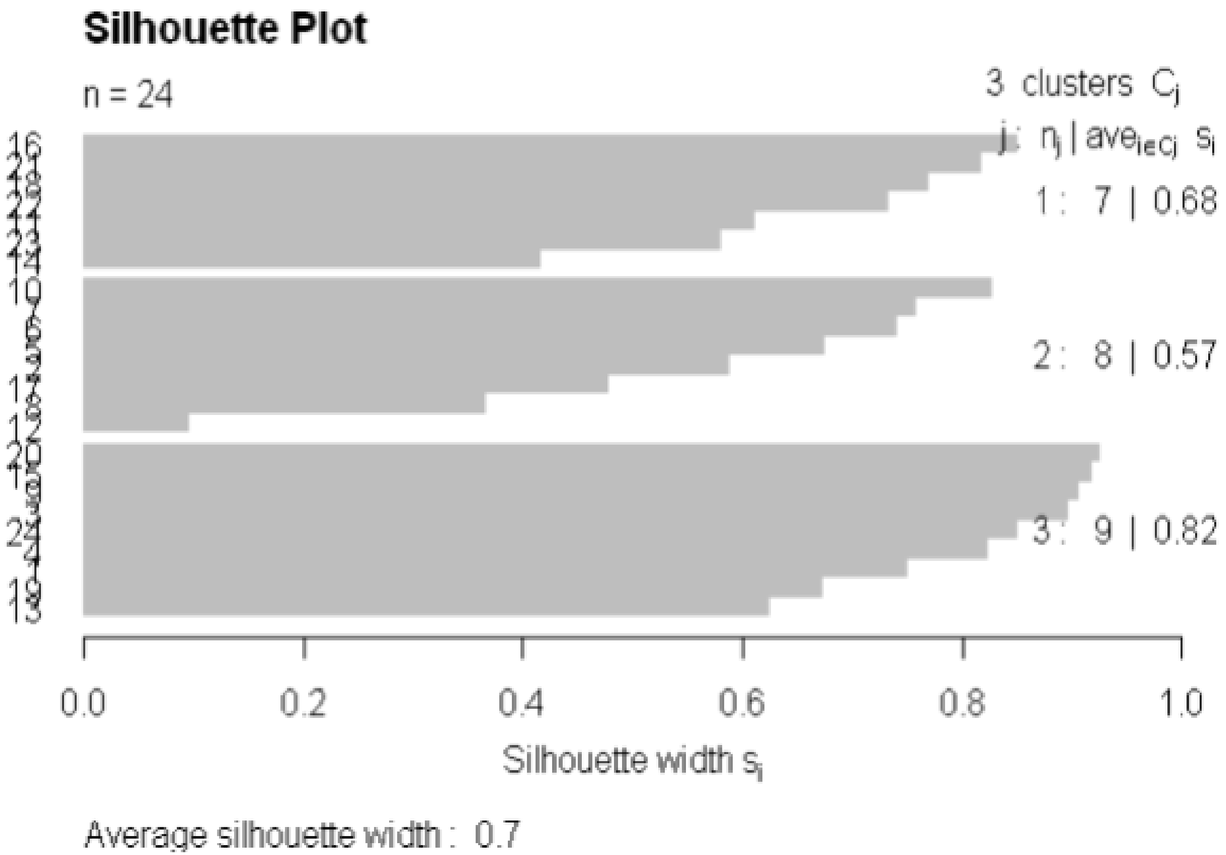




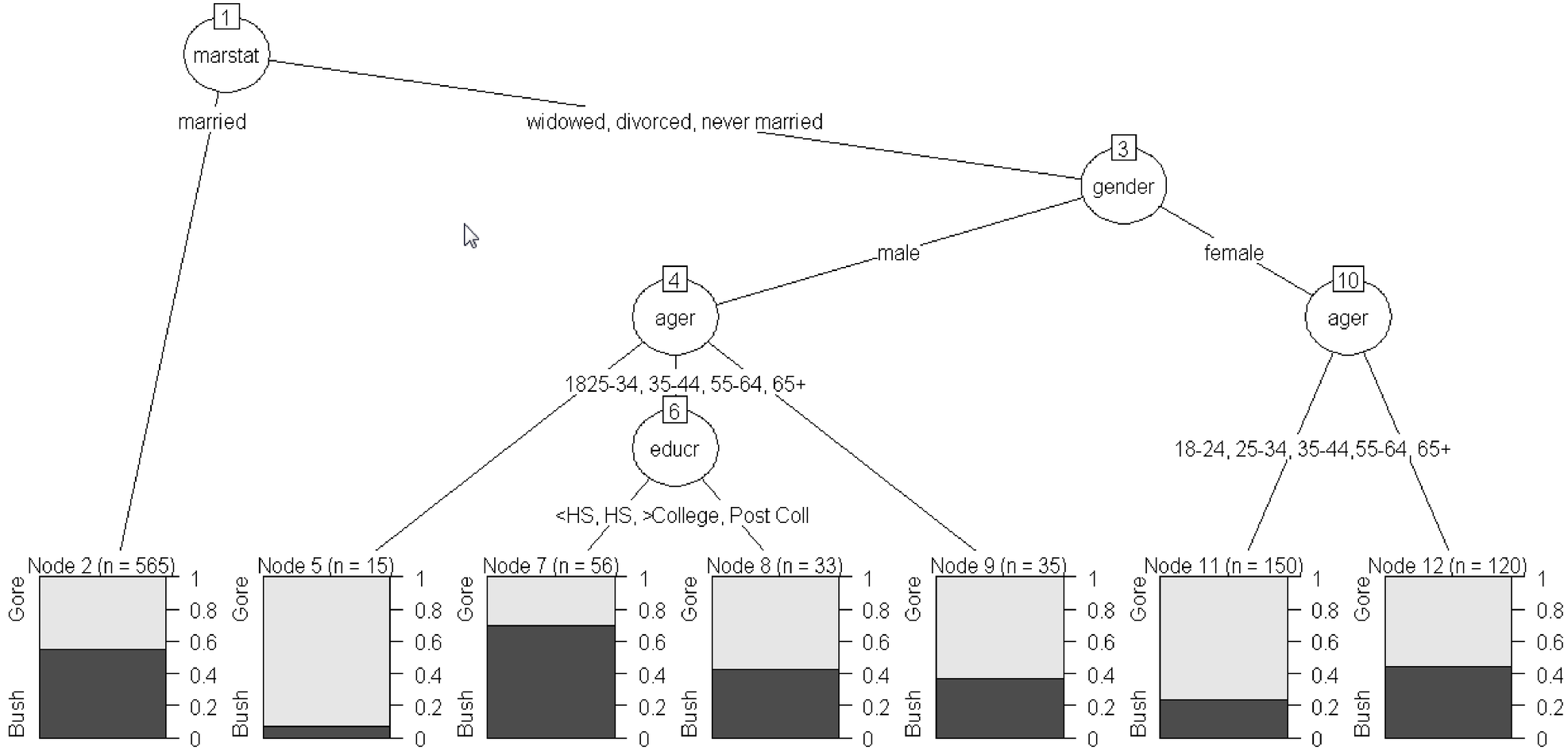
Graphiques en clusters



Graphiques silhouettes

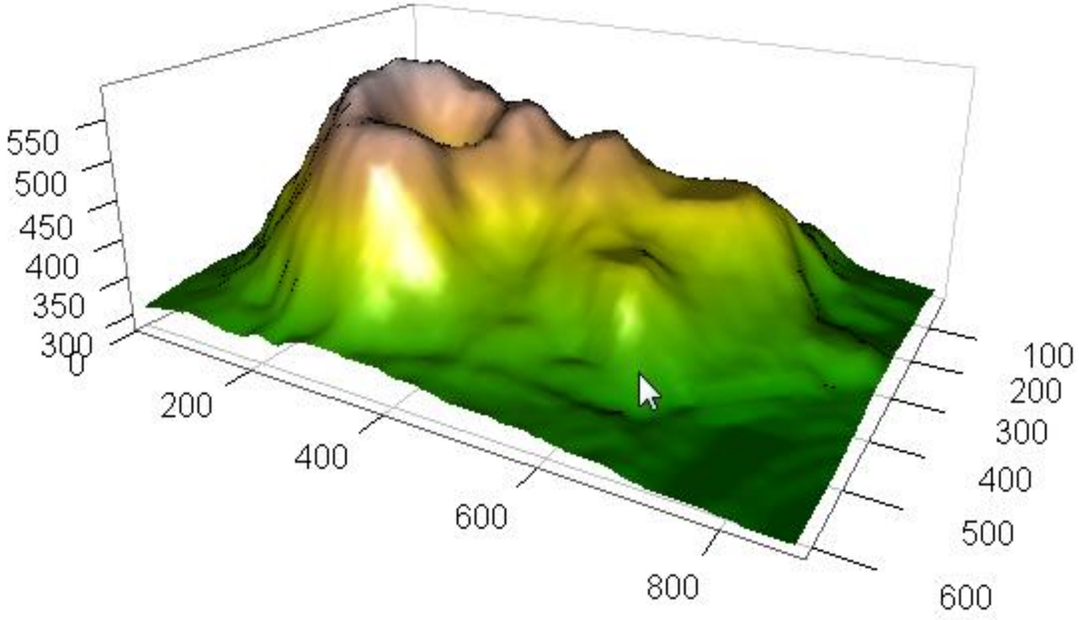


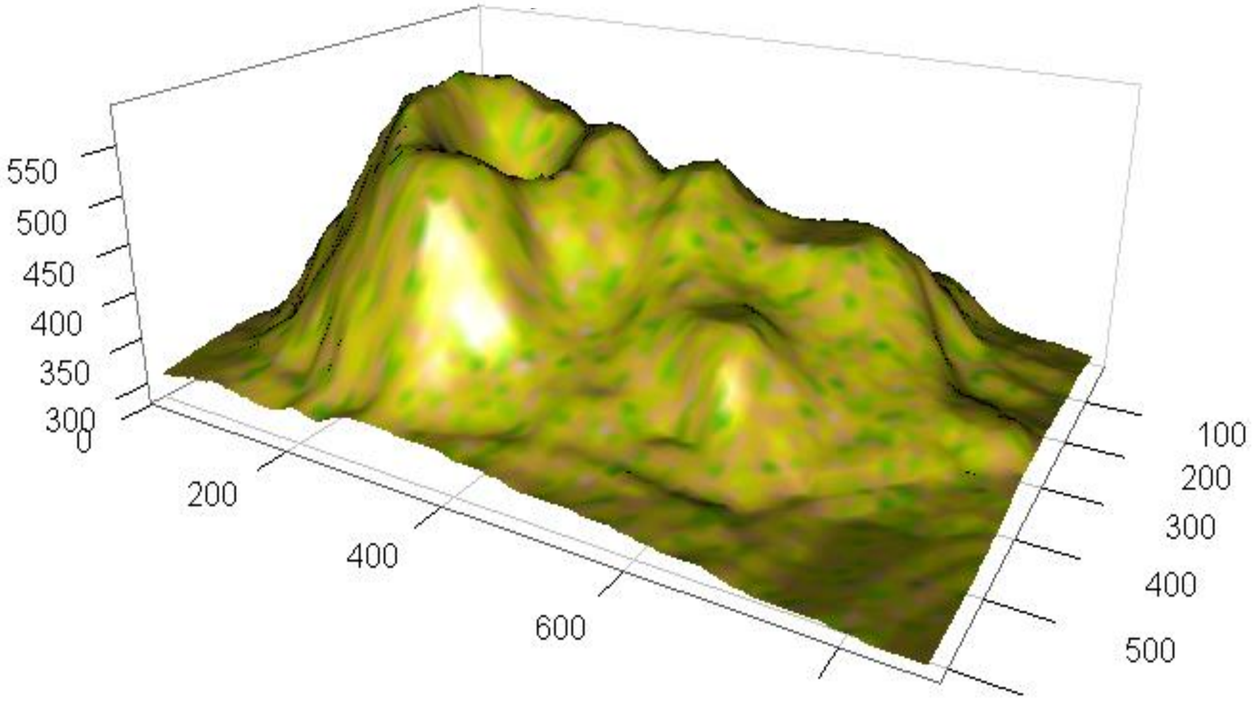
Arbres de décisions



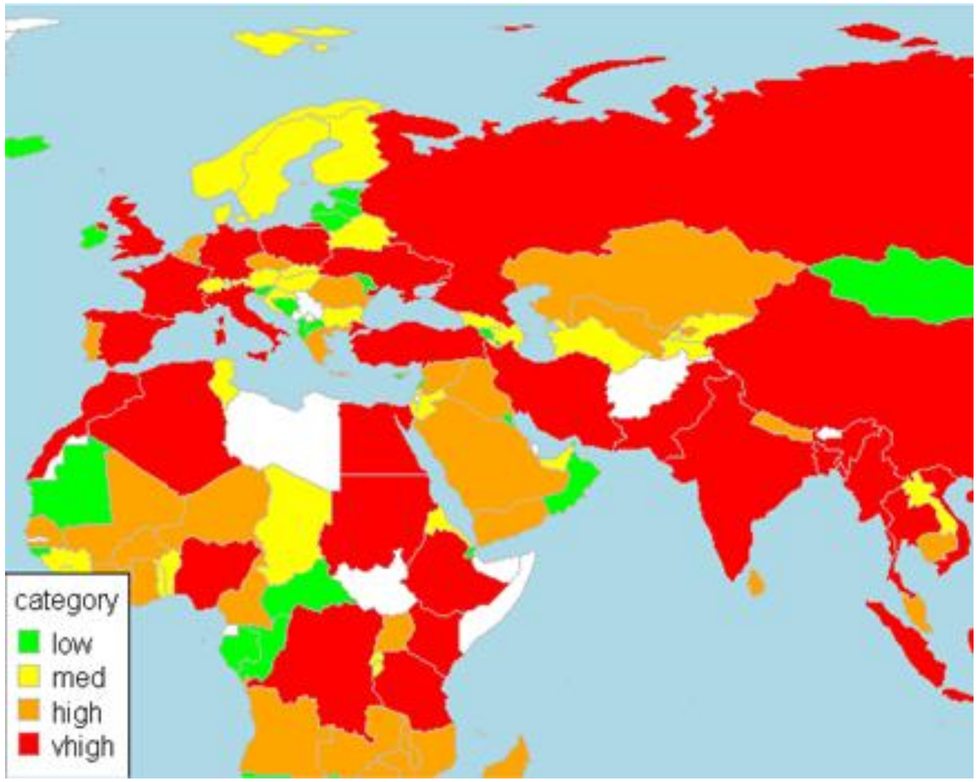
Géostatistiques/SIG

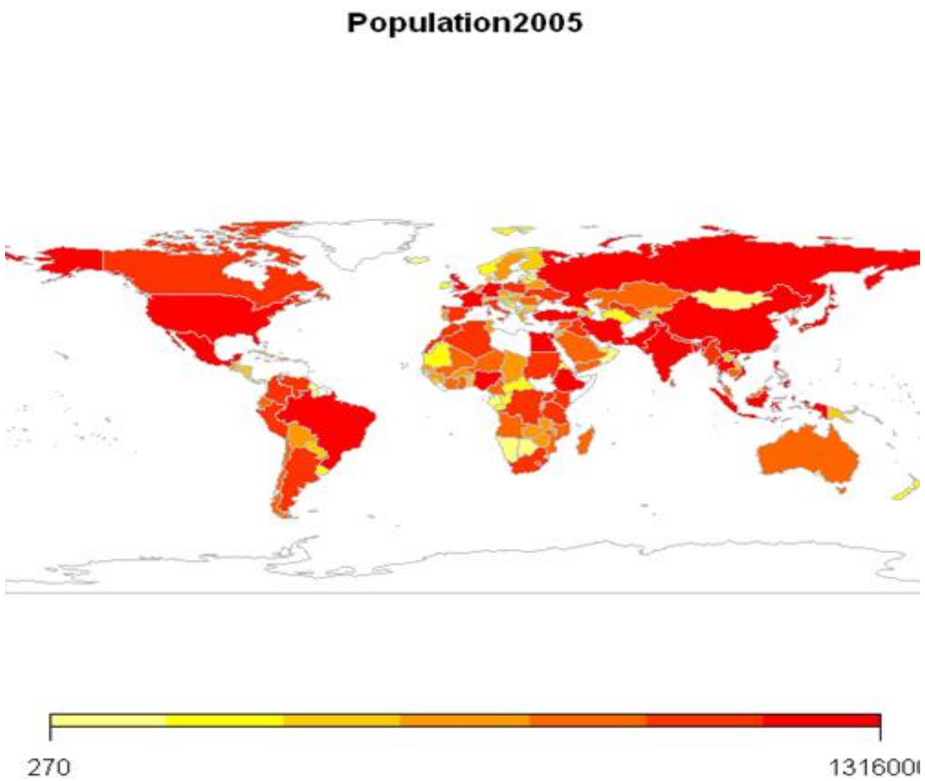
Graphiques topographiques



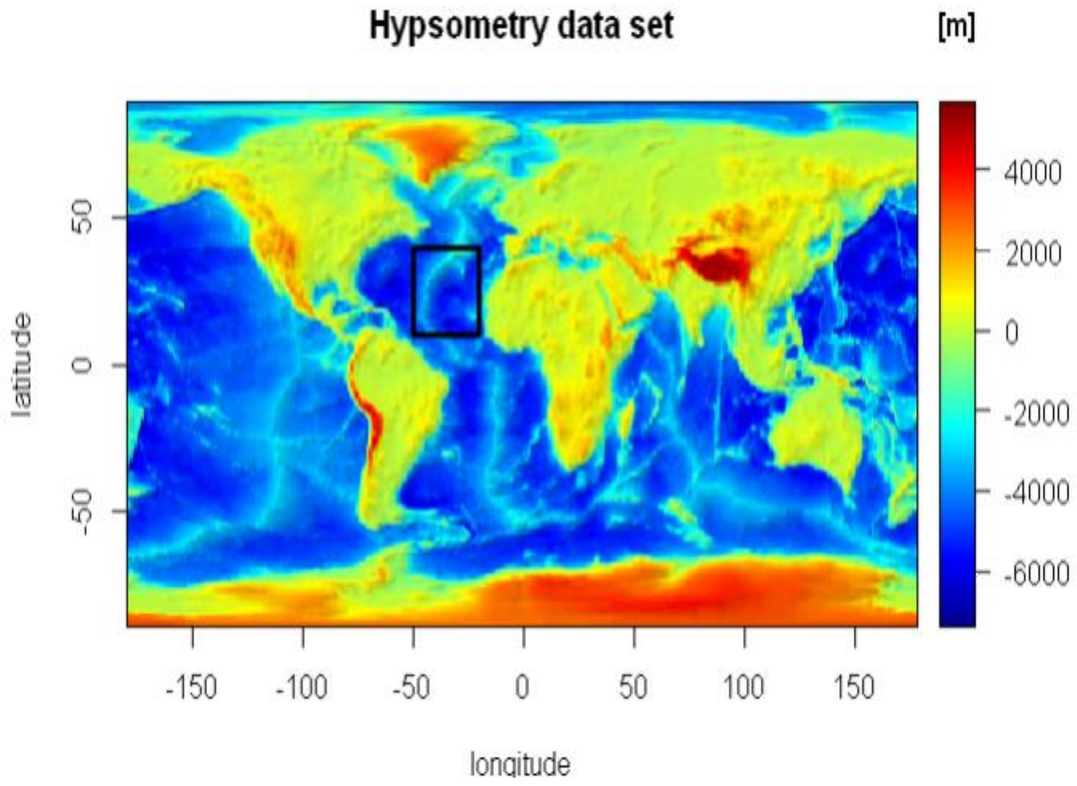


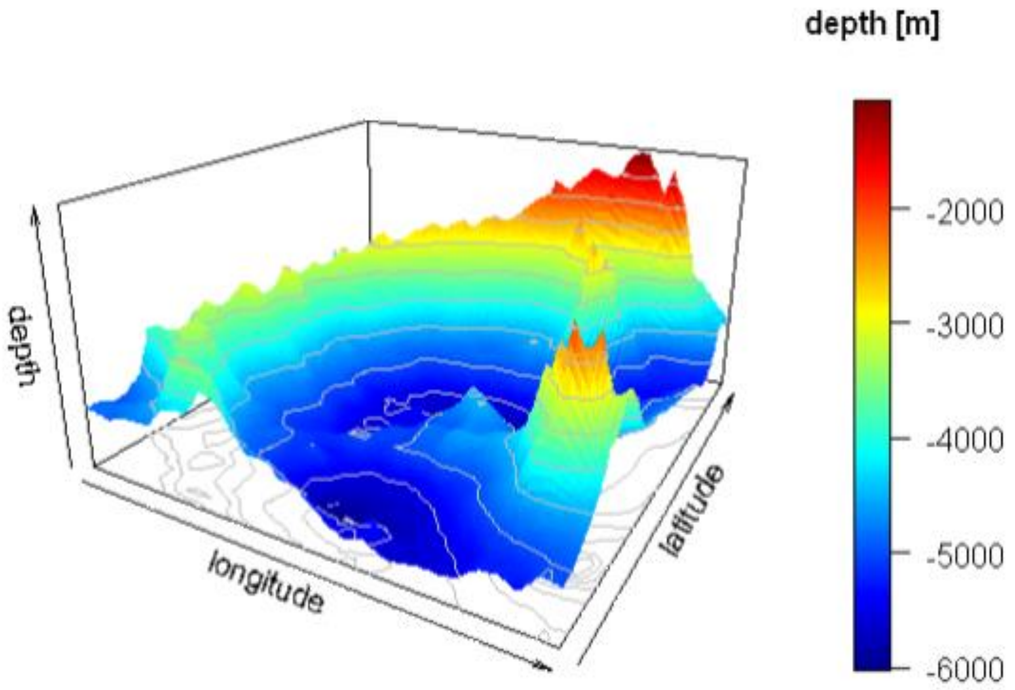
Cartes choroplèthes



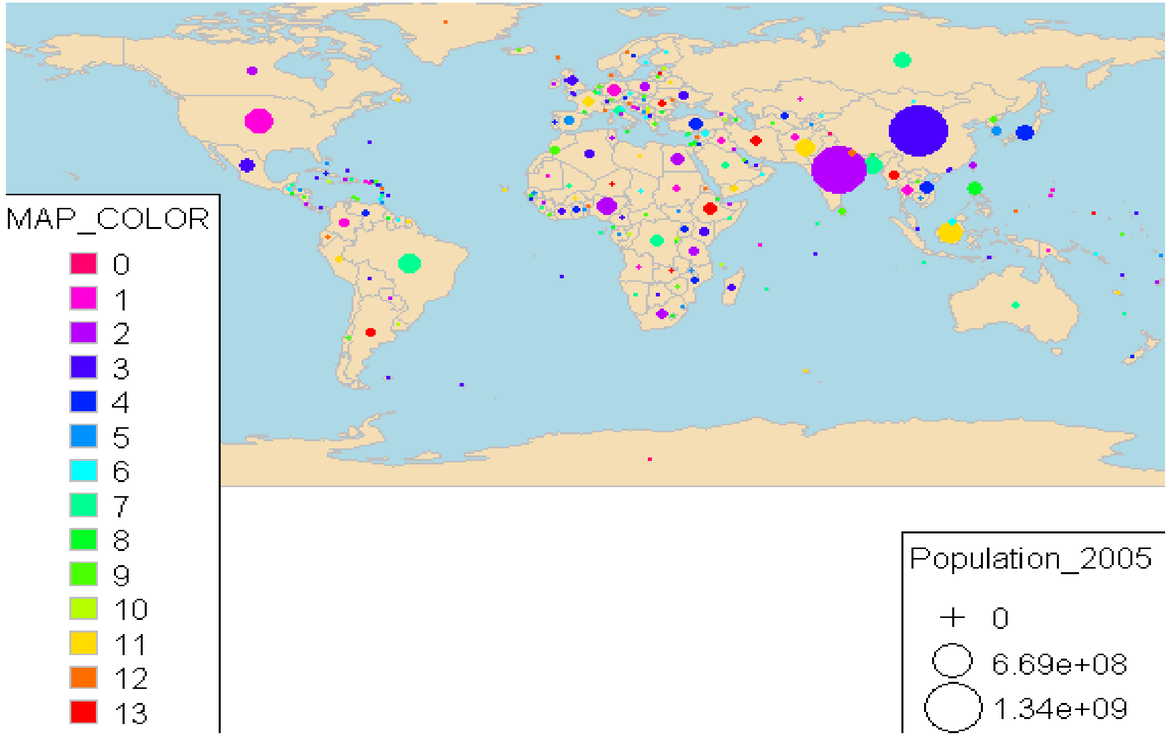


Graphiques hypsométriques

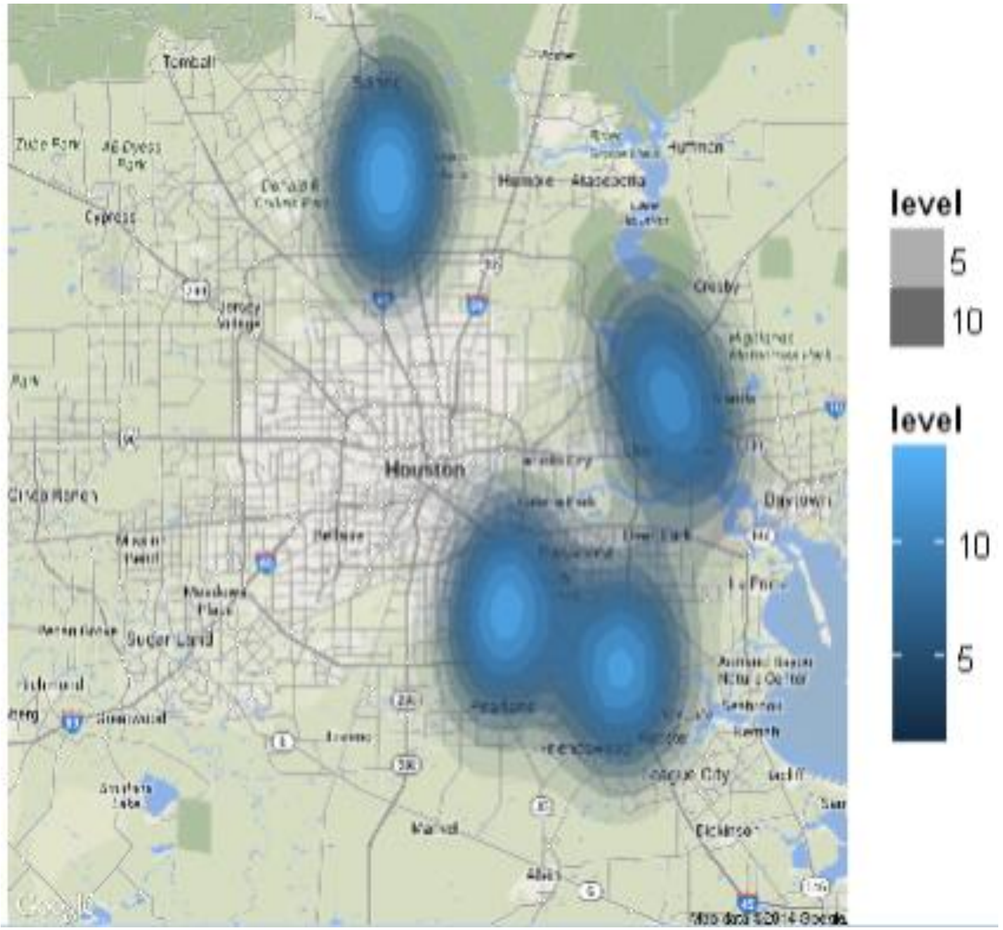




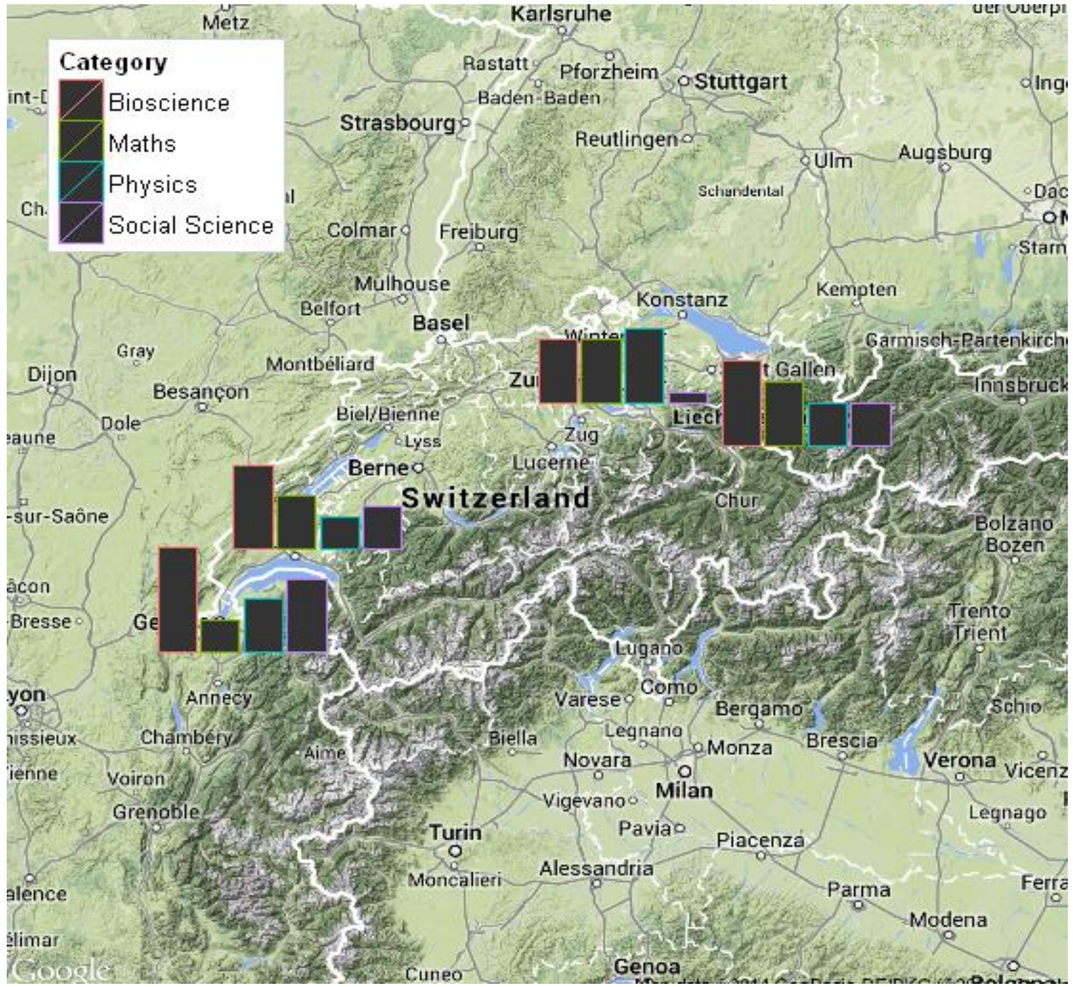
Cartes en symboles proportionnels



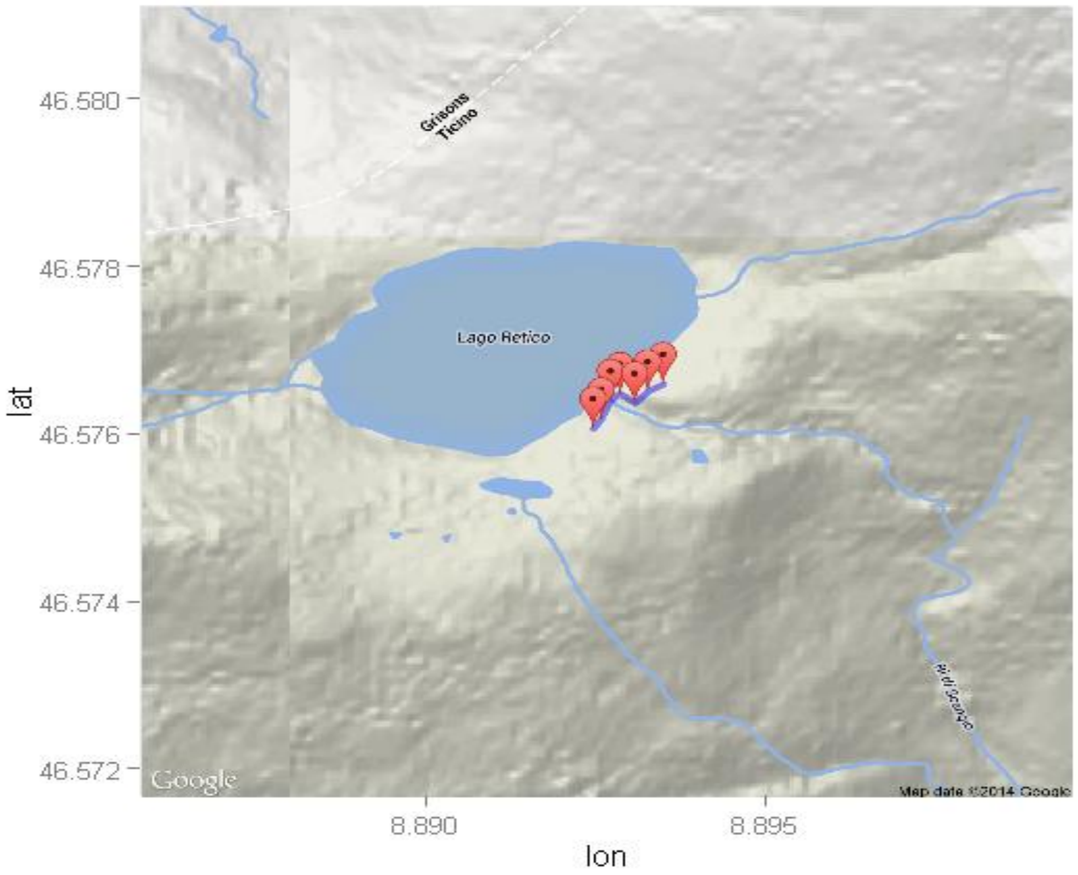
Cartes de densités



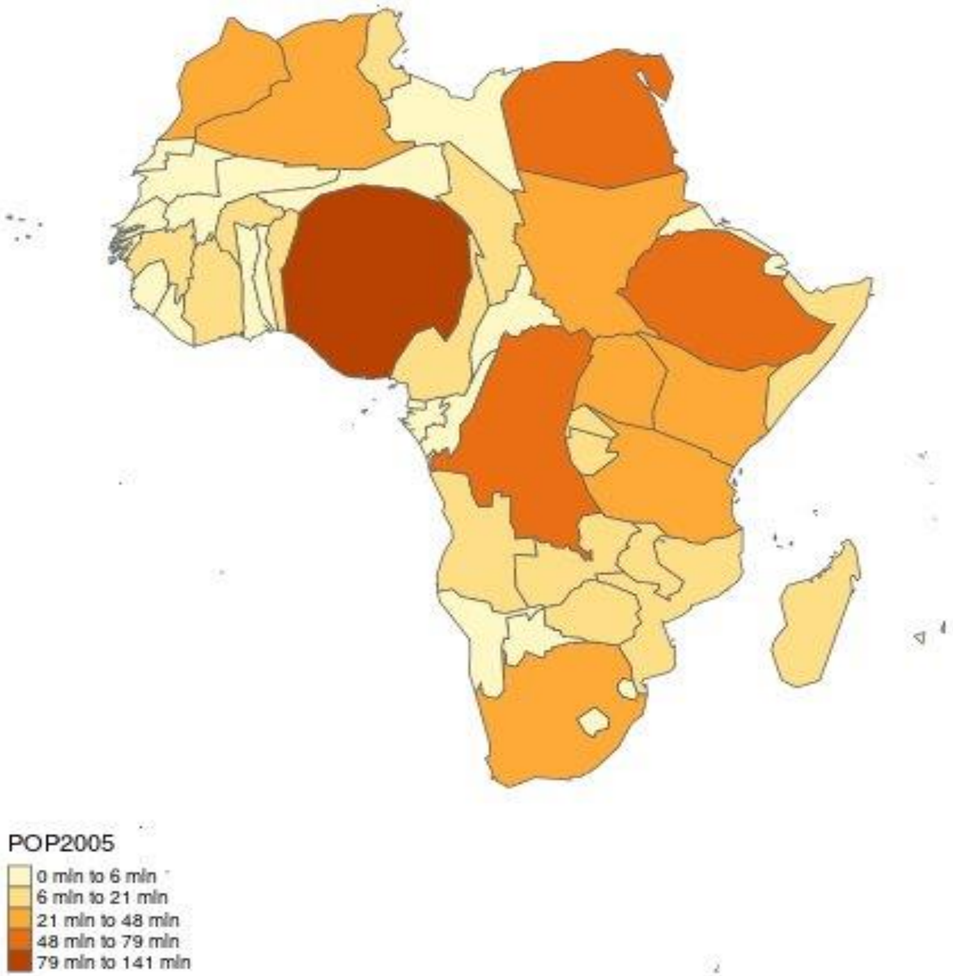
Cartes à barres

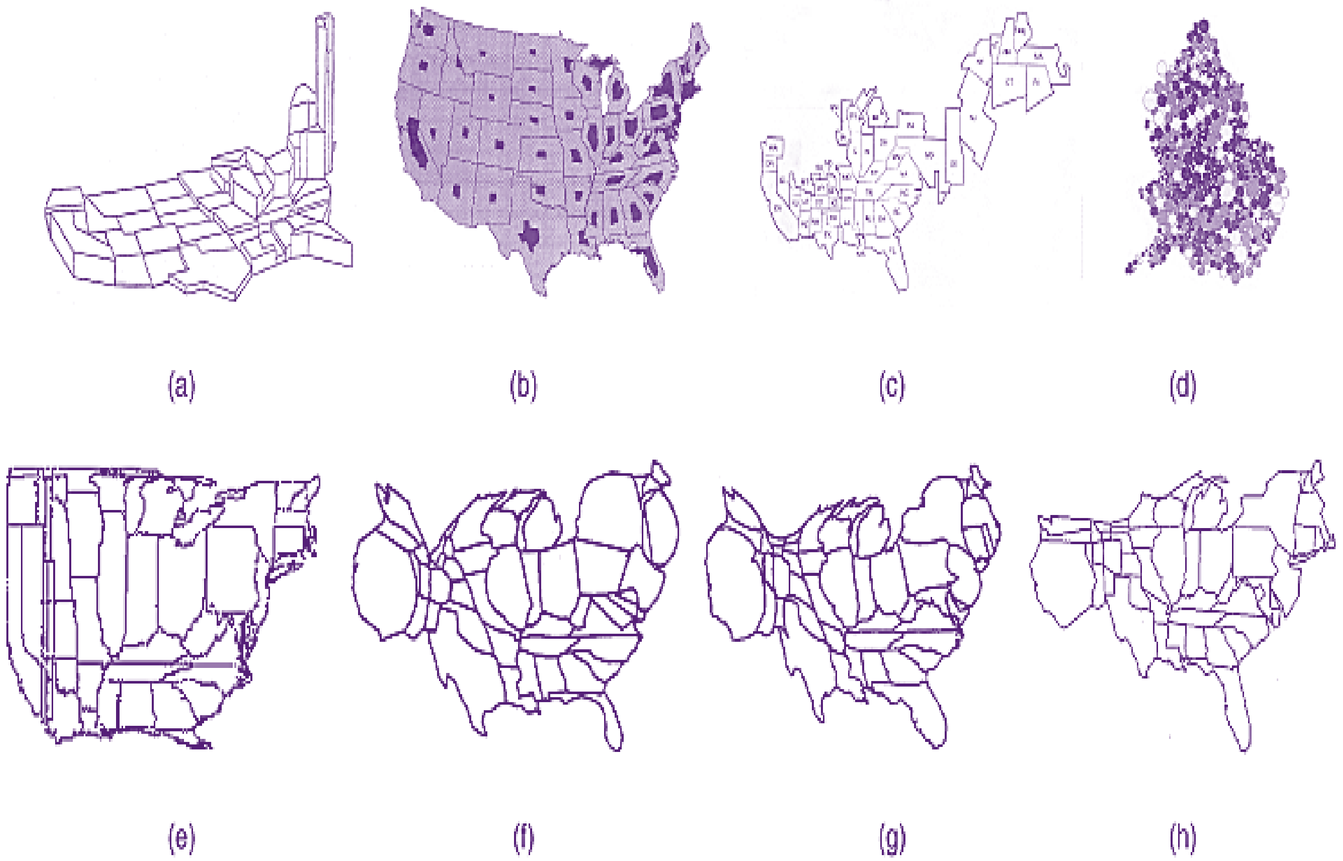


Cartes à parcours

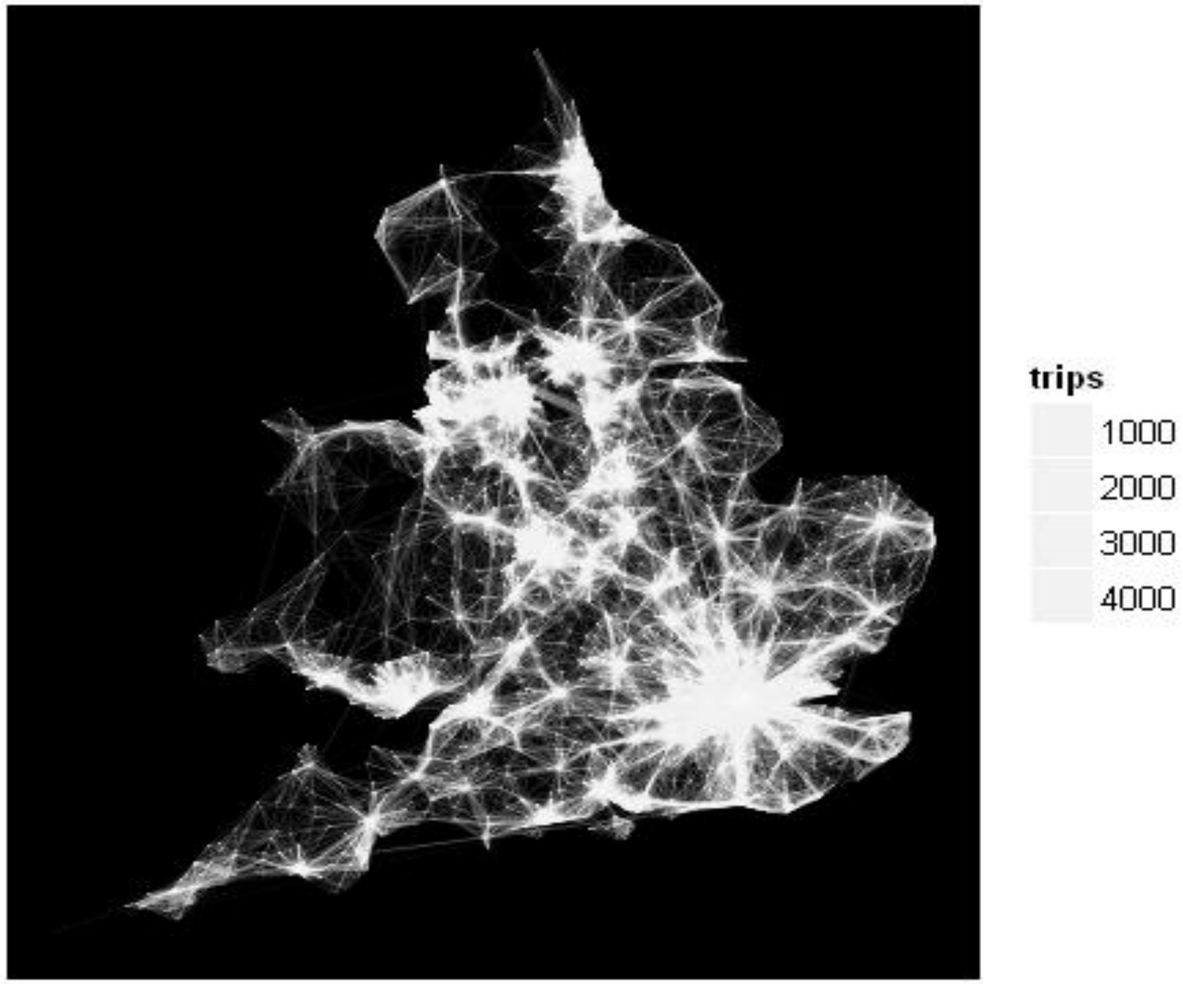


Cartographie de discontinuité

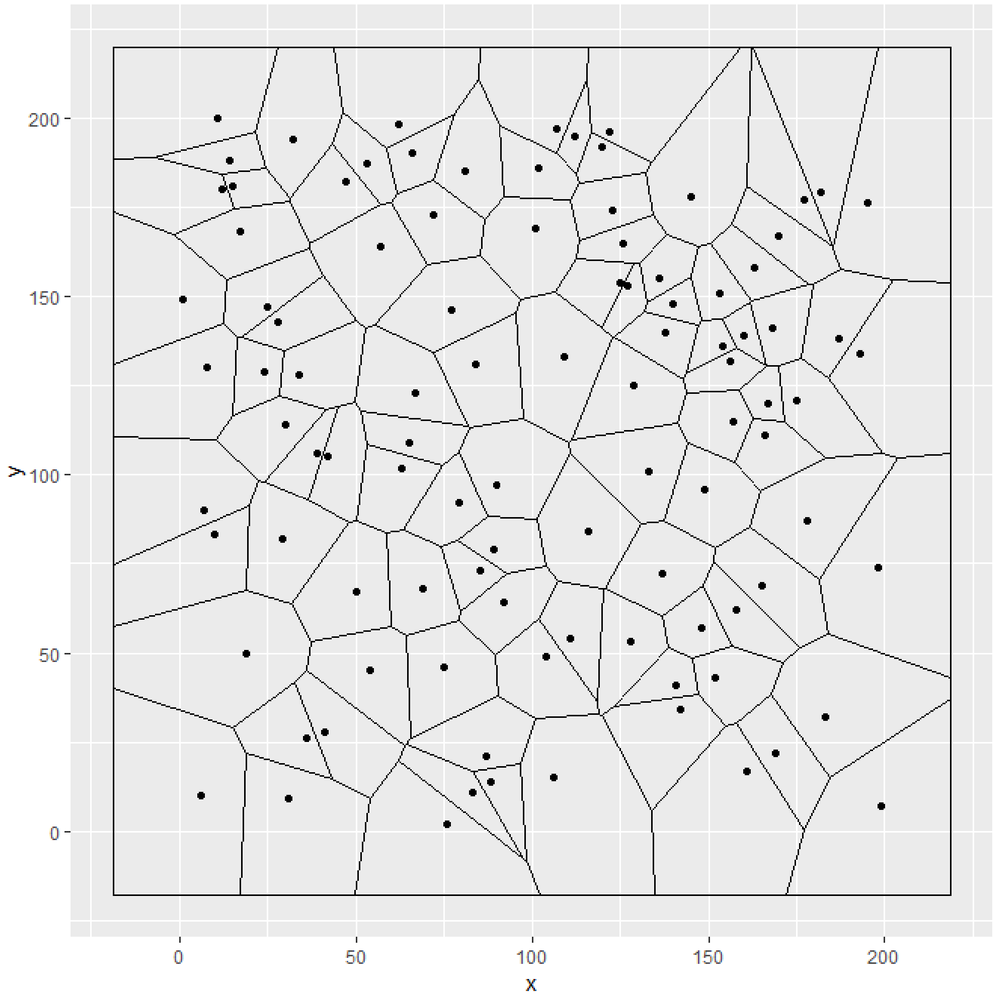


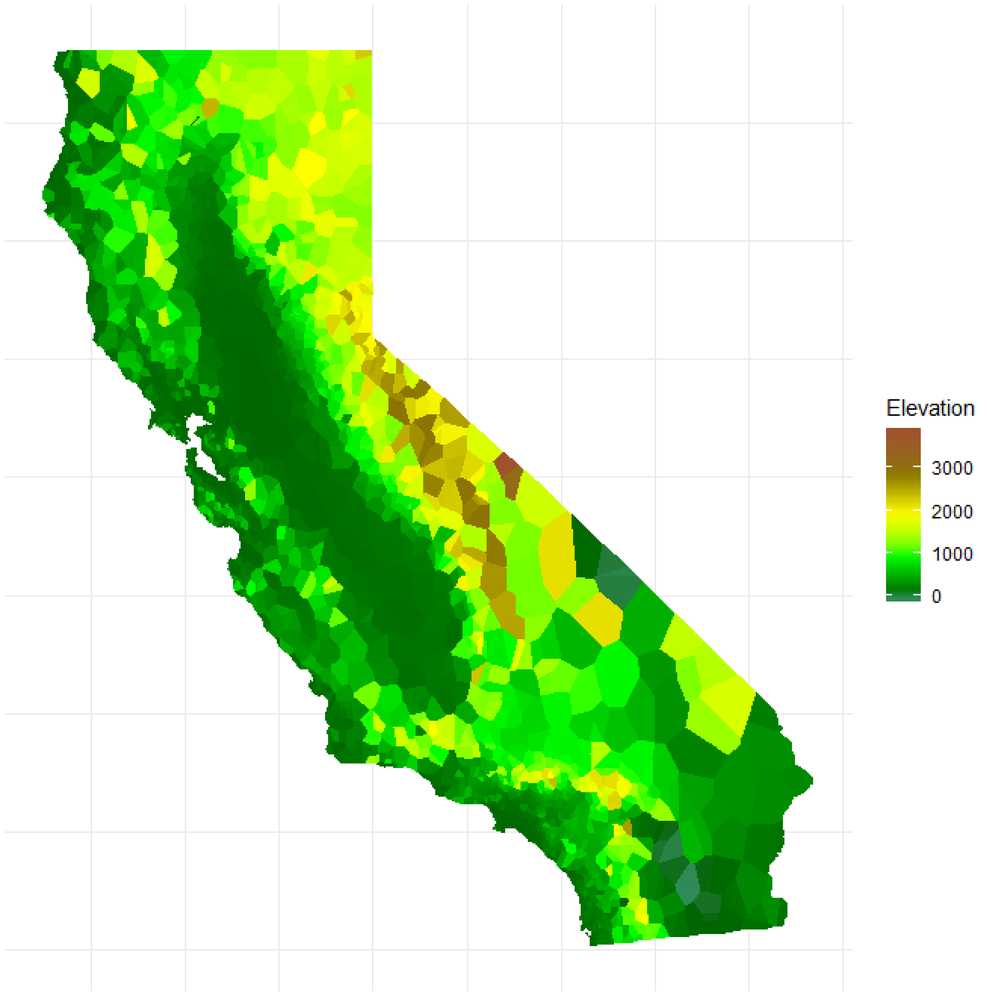


Cartes de flux

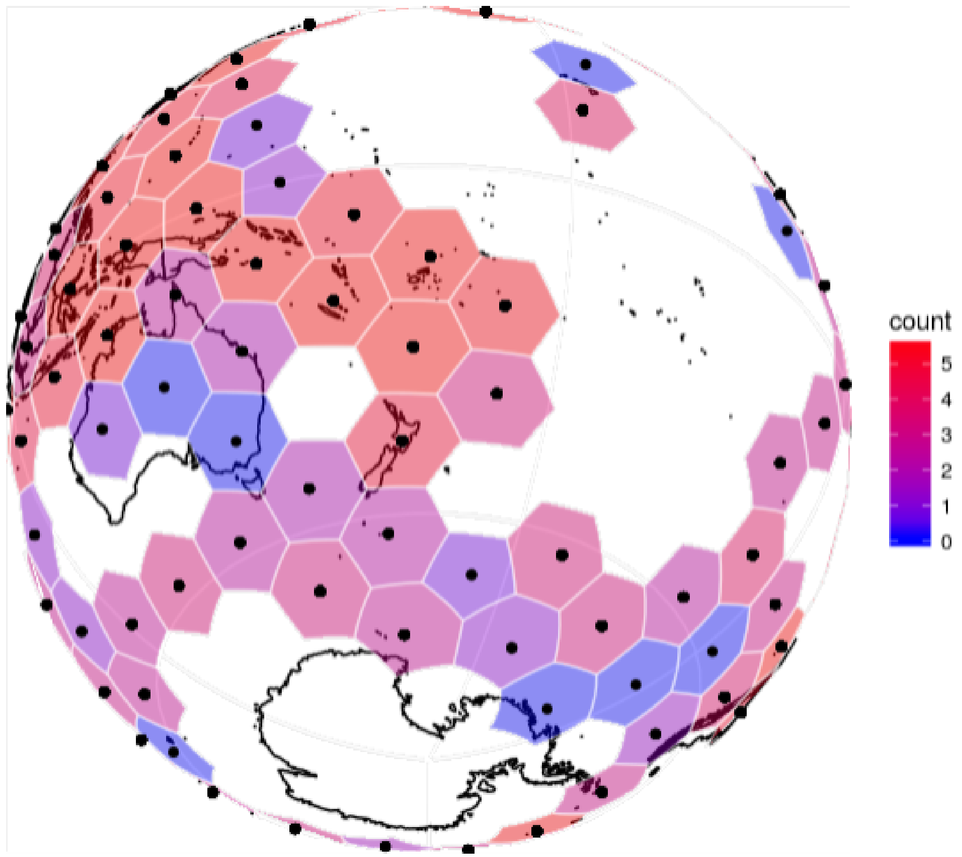


Diagrammes de Voronoi

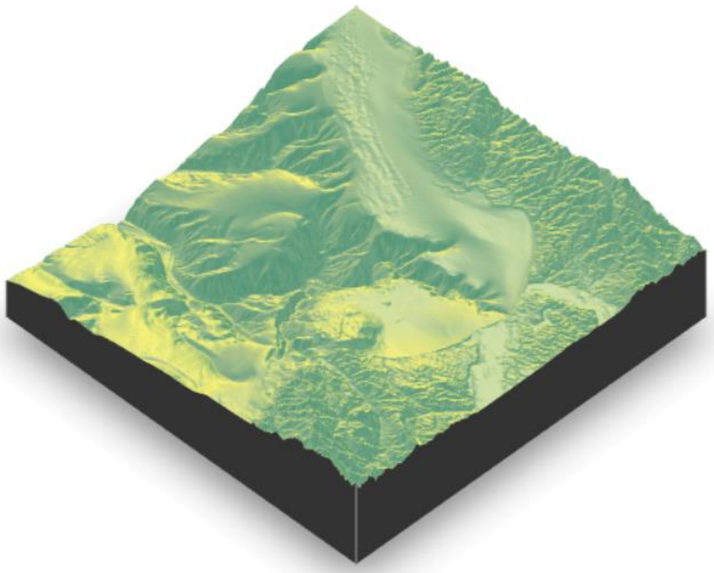


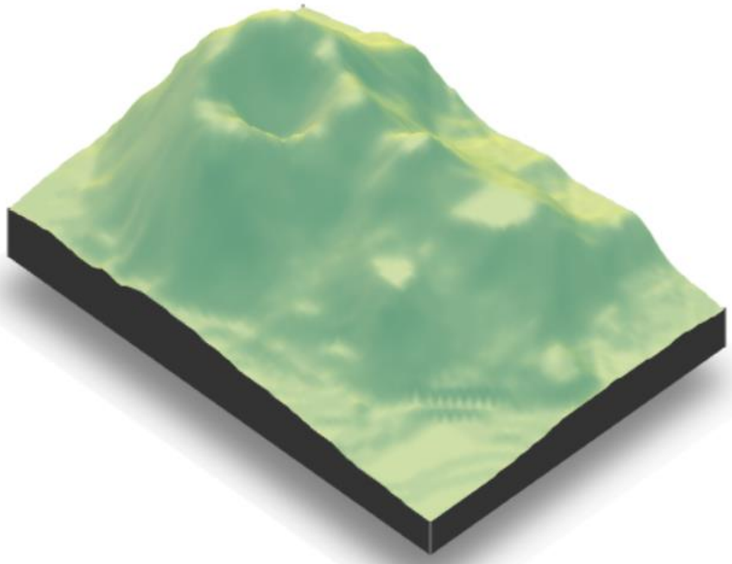


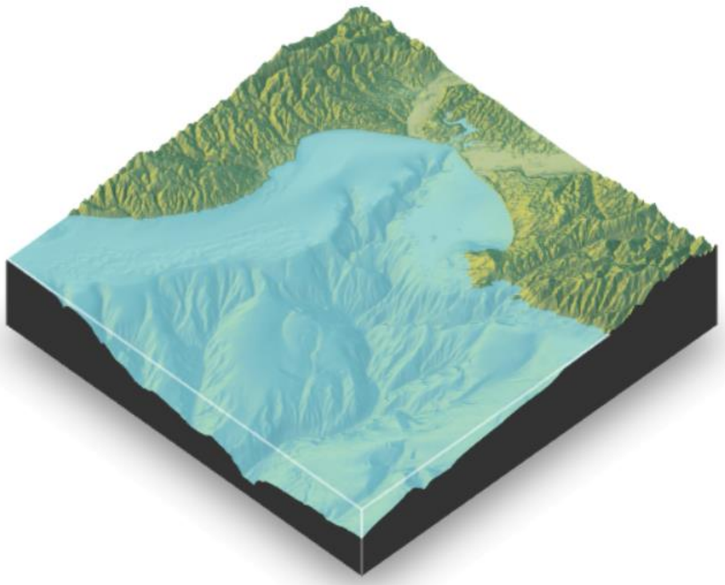
Grilles discrètes globales



Cartes ombrées

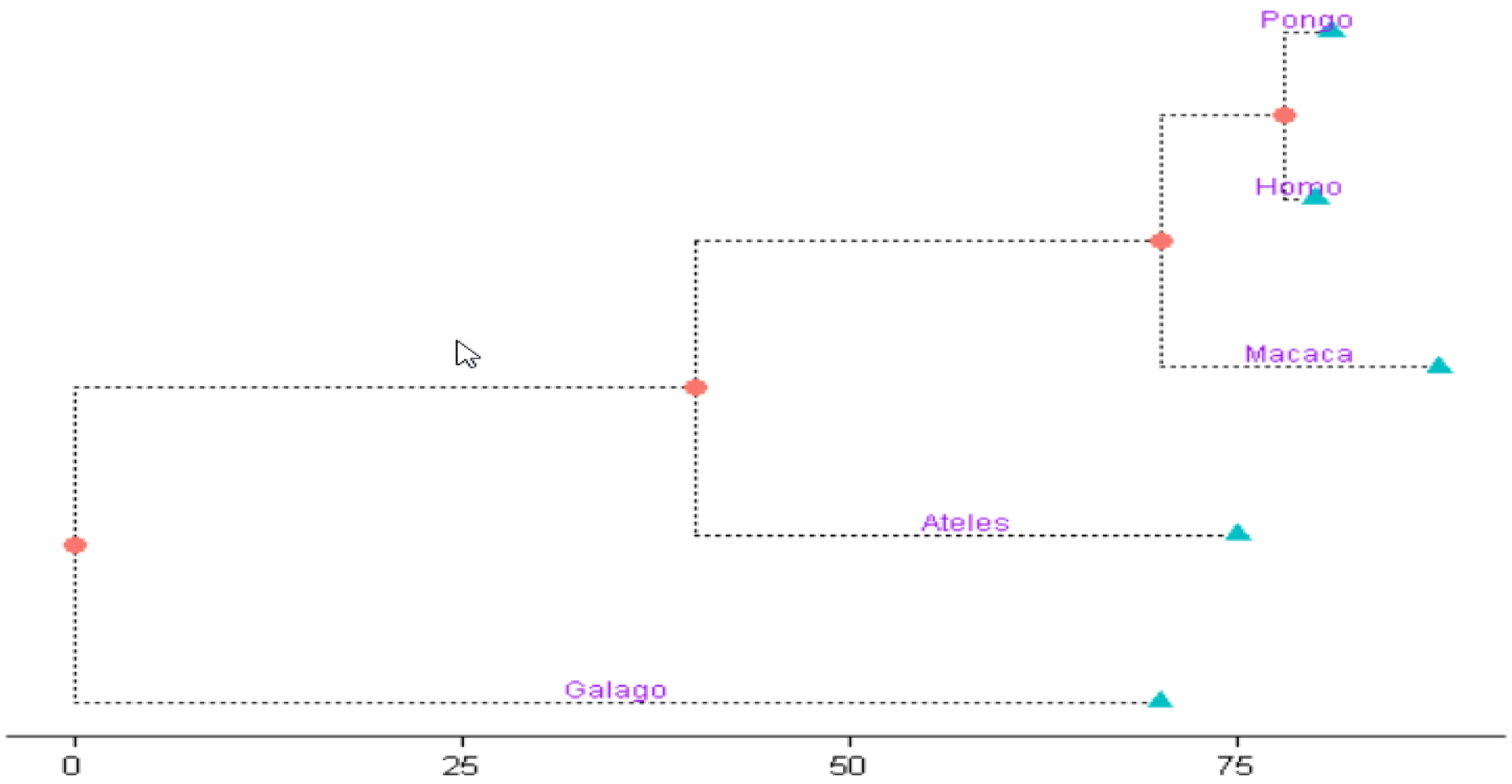




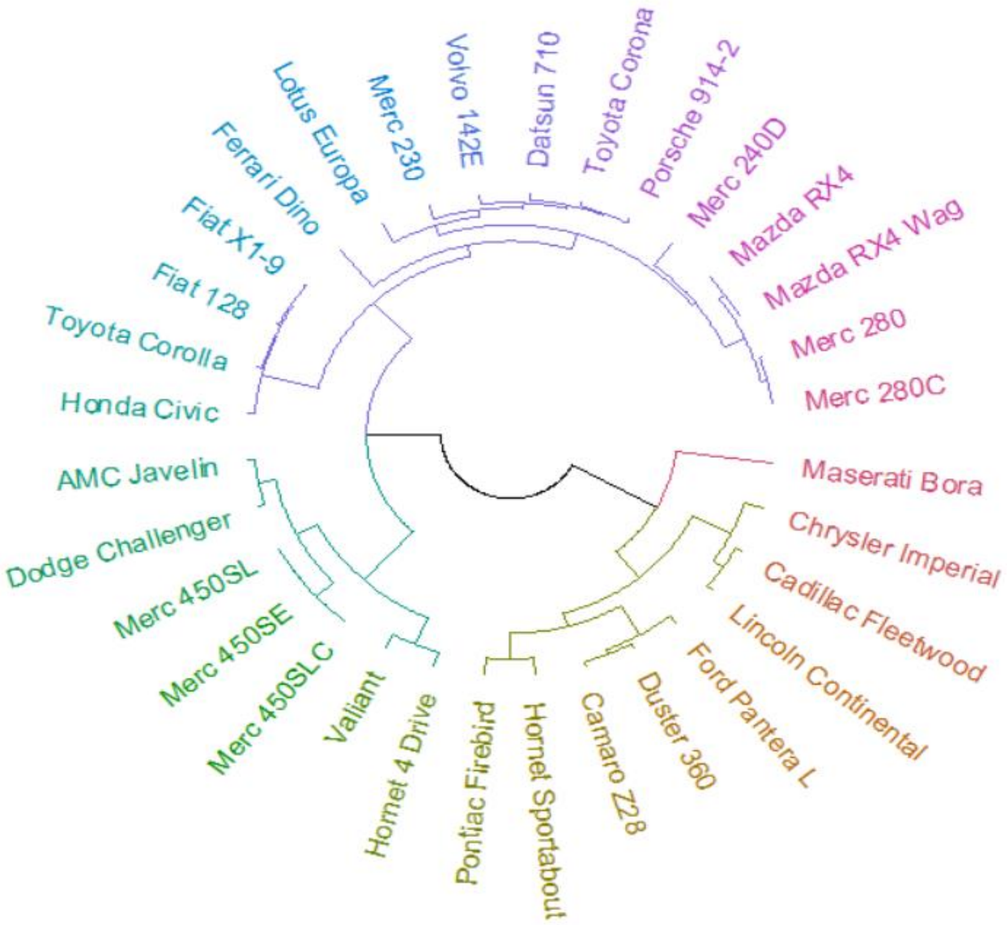


Biologie/Chimie

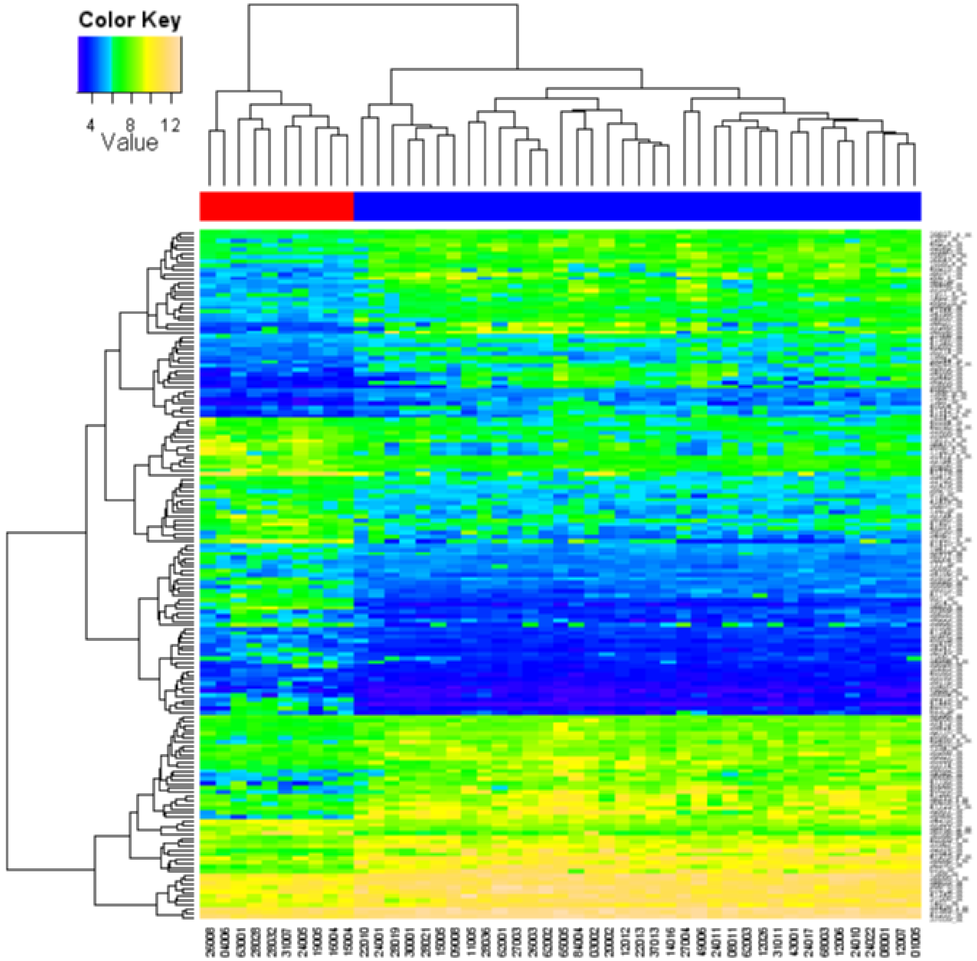
Arbres phylogénétiques rectilignes



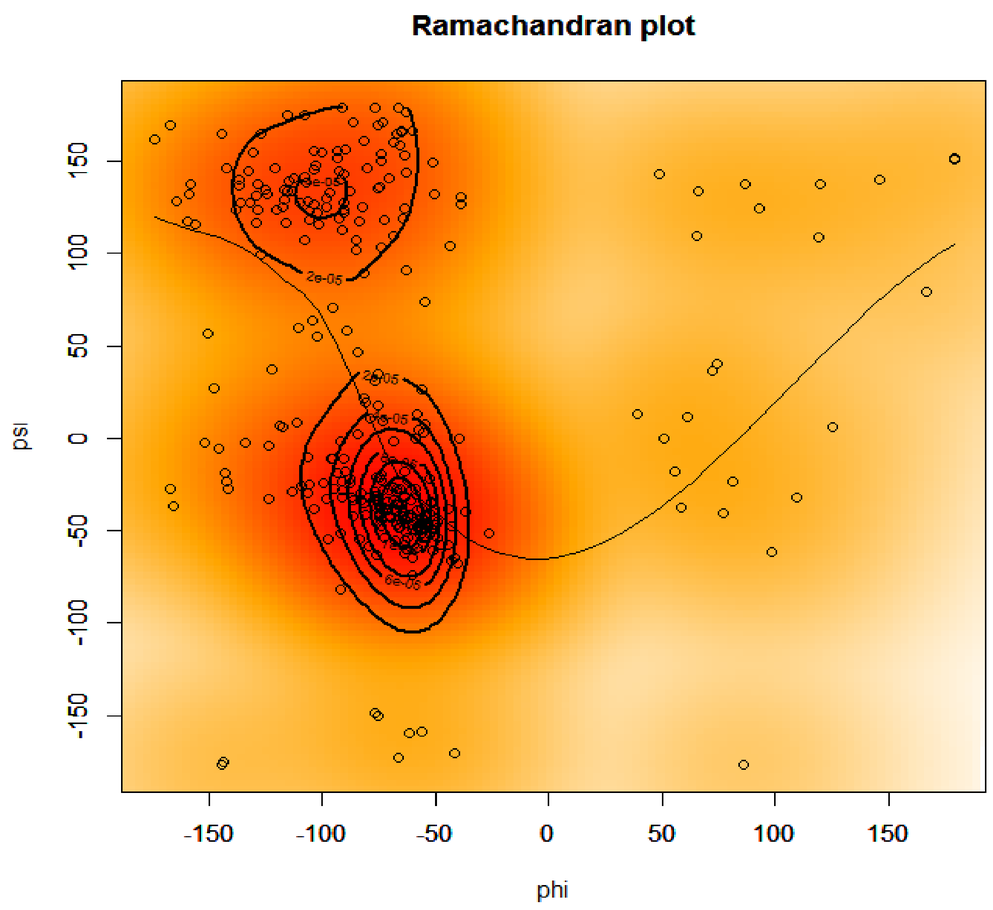
Arbres phylogénétiques circulaires



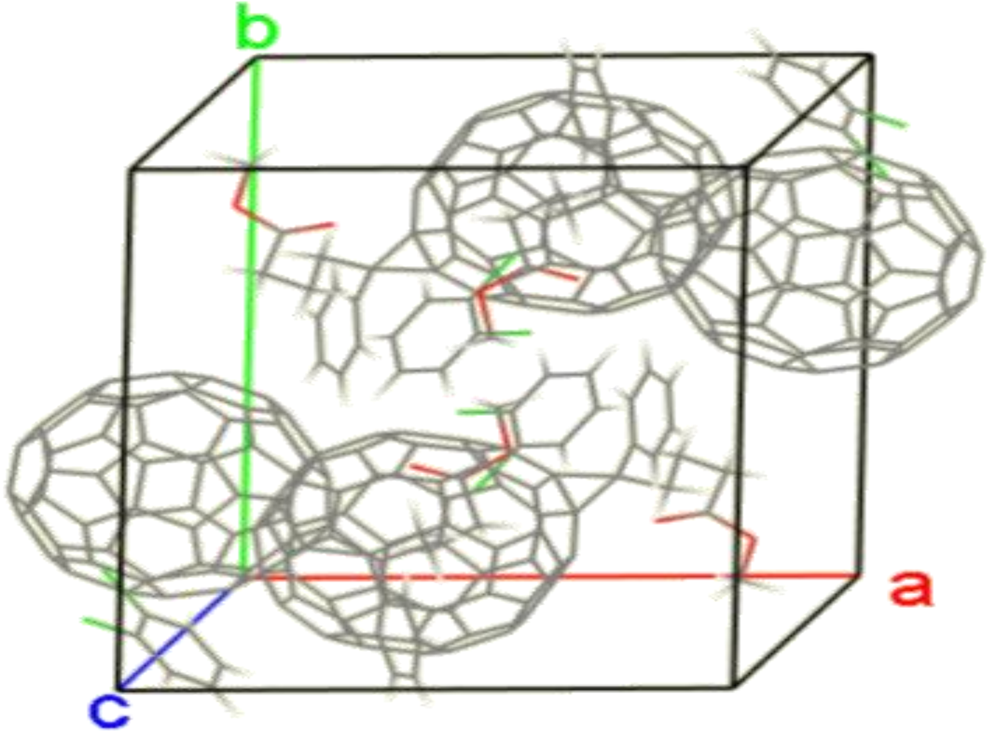
Biopuces (microarray)

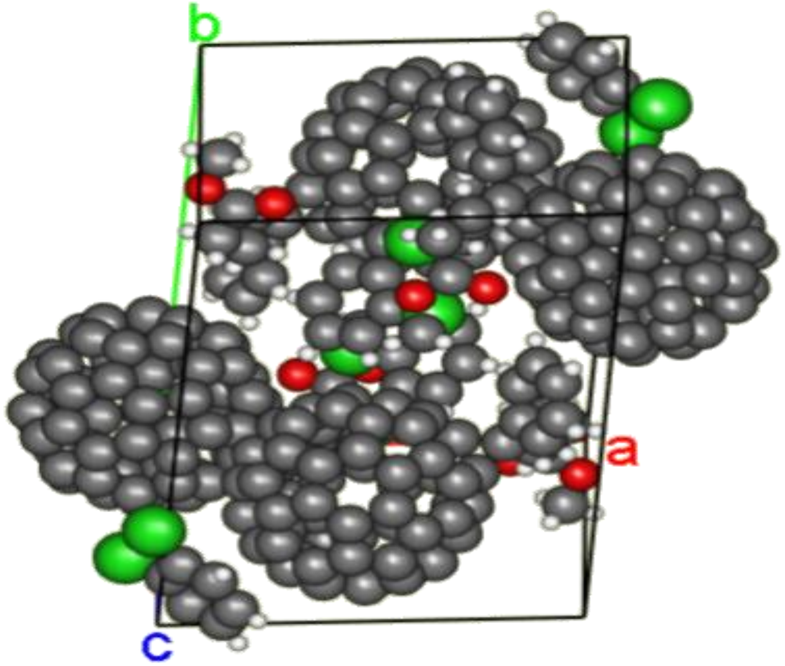


Graphiques de Ramachandran



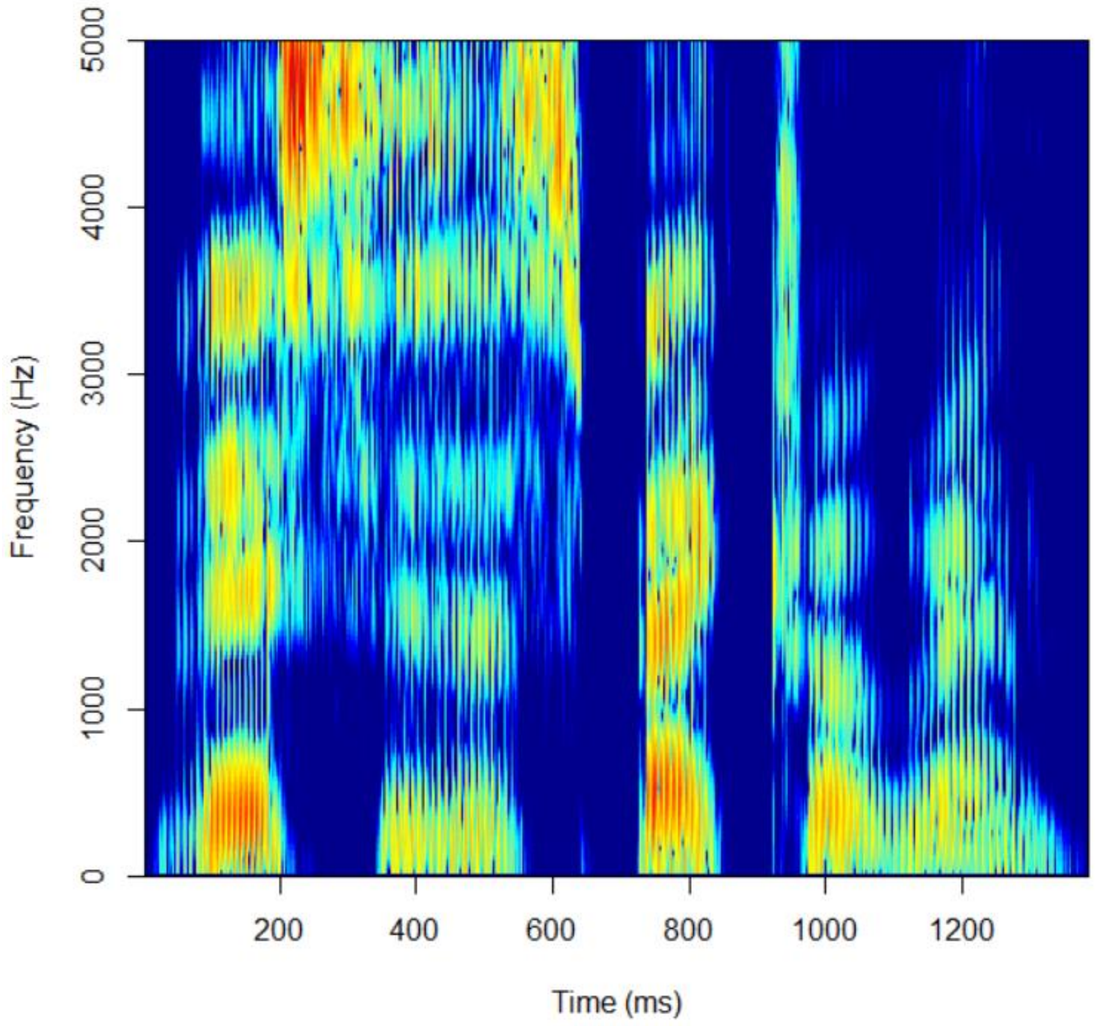
Structures moléculaires





Son/Audio

Spectrogramme



Conclusion